Product Catalogue

TEST & MEASUREMENT INSTRUMENTS

Contents

Every series in this catalogue has a one-page overview and a full datasheet. Series are grouped by instrument family, in the order they appear in the book.

1 · DC Electronic Loads

ET5500 — High-precision programmable loads, 150 W – 3600 W 2
ET53 — Programmable bench loads 3
ET5406A+ / ET5407A+ — Economy 200 W / 400 W loads 4
ET54A+ — Programmable loads with battery & LED test 5
ET547X — Handheld DC electronic loads 6
ET6900 — Medium / high-power loads

2 · LCR Meters

ET35 — Precision LCR meters 7
ET4400 / ET4500 — Benchtop LCR meters to 100 kHz 8
ET43 — Handheld LCR meters 9

3 · Function Generators

ET33 — Dual-channel DDS function / arbitrary generators 10
ET3300C — Economy dual-channel DDS generators 11

4 · DC Power Supplies

ETP-A — Adjustable DC supplies, to 60 V / 10 A / 300 W 12
ETP-B — Single-output linear DC supplies 13
ETP-S — High-precision programmable supplies 14
ETP-C — Programmable supplies, encoder control 15
ETP-H — Multi-channel DC supplies 16
ETP-E — Medium / high-power DC supplies 17

5 · Multimeters, Loggers & Resistance

ET32 — Benchtop digital multimeters, 4½–6½ digit 18
ET3916 — Multi-channel temperature tester 19
ET3916T — Multi-channel temperature tester, high resolution 20
ET3916R — Multi-channel temperature tester 21
ET3917 — Temperature tester, RTD & full signal 22
ET51 — DC low-resistance testers (milliohm) 23
ET52X — Handheld low-resistance testers 24
YTE610 — Three-phase energy meter field calibrator 25
YTE215X — Handheld earth resistance testers 26
YTE216X — Digital insulation resistance testers 27

6 · Oscilloscopes

ET6210 — Handheld oscilloscope multimeter, 100 MHz 28

ET5500

PROGRAMMABLE DC ELECTRONIC LOADS

Electronic Load | Overview

Advantages

- 18 Models, 150 W to 3600 W
- 4.3″ TFT Display, English / Chinese
- 6 Basic Modes: CC / CV / CR / CP
- Resolution up to 0.1 mV / 0.1 mA
- Dynamic and List Modes (88 groups)
- Auto Pass/Fail and Scan Testing
- Battery Capacity Test Mode
- LED Driver Test Mode
- RS232, SCPI and Modbus

High-Precision Programmable DC Electronic Loads

Specifications

Model	Rated Power	Input Voltage	Input Current	Typical Use
ET5501A / B	150 W	0–150 V / 0–500 V	30 A / 15 A	Bench R&D, small power supplies
ET5503A / B	300 W	0–150 V / 0–500 V	30 A / 15 A	Charger production testing
ET5504A	400 W	0–150 V	60 A	Battery discharge & capacity test
ET5506A	600 W	0–150 V	60 A	All-round production & lab use
ET5506B	600 W	0–500 V	30 A	High-voltage power supplies
ET5506C	600 W	0–150 V	120 A	High-current battery testing
ET5512A / B	1200 W	0–150 V / 0–500 V	120 A / 60 A	Line testing, automotive
ET5518A / B	1800 W	0–150 V / 0–500 V	180 A / 90 A	BMS and battery packs
ET5524A / B	2400 W	0–150 V / 0–500 V	240 A / 120 A	DC charging-pile testing
ET5530A / B	3000 W	0–150 V / 0–500 V	240 A / 120 A	EV battery packs, burn-in
ET5536A / B	3600 W	0–150 V / 0–500 V	240 A / 120 A	Largest packs, heavy burn-in

All models: CC · CV · CR · CP · CC+CV · CR+CV, plus battery capacity, LED driver, dynamic, list, short-circuit, auto pass/fail and scan modes. Suffix A = 150 V range, B = 500 V range, C = high-current model.

General Specifications

Display	4.3″ TFT LCD, Chinese / English	**Interface**	RS232, SCPI & Modbus
Setting resolution	up to 0.1 mV / 0.1 mA	**Voltage readback**	±(0.025 % + 0.025 % FS)
High-power models	approx. 550 × 440 × 380 mm, 40 kg	**Warranty**	12 months



ET5500 series — 18 models, 150 W to 3600 W

One Series, 150 W to 3600 W

Three power tiers share the same operation, display and interface — scale from bench to pack line without relearning.

Battery and LED Test Modes

Dedicated battery capacity mode for lead-acid and lithium discharge testing, plus an LED driver simulation mode.

Built for Production Lines

Auto pass/fail judgement, scan testing and list mode with 88 groups keep line testing fast and consistent.

High Resolution, Clear Display

Settings and readback down to 0.1 mV / 0.1 mA on a 4.3-inch TFT display, in English or Chinese.

Programmable and Connected

RS232 with SCPI and Modbus commands and PC data-acquisition software for automated test systems.

ET53

PROGRAMMABLE DC ELECTRONIC LOADS

Advantages

- Five 400 W Models
- 3.5″ TFT Display, English / Chinese
- Six Basic Modes + Combined Modes
- 1 mV / 1 mA Resolution
- Battery & LED Test Modes
- USB & RS-232 Standard
- Single & Dual Channel Versions
- Dynamic, Scan & List Tests
- Intelligent Fan, Low Noise

Programmable DC Electronic Loads

Specifications

Model	Channels	Input Voltage	Input Current	Positioning
ET5300	Single	0–150 V	0–40 A	Standard bench & line testing
ET5301	Single	0–150 V	0–60 A	Higher-current 150 V work
ET5302	Single	0–500 V	0–15 A	High-voltage testing
ET5303	Single	0–500 V	0–30 A	High-voltage, higher current
ET5304	Dual	0–150 V	0–60 A (30 A / ch)	Two channels in parallel work

All models rated 400 W (dual-channel ET5304: 400 W total). Modes on every model: CC · CV · CR · CP · CC+CV · CR+CV, plus battery, LED, dynamic, scan, list and short-circuit tests.

General Specifications

Display	3.5″ TFT LCD, Chinese / English	**Interfaces**	USB & RS-232 standard, RS-485 optional
Resolution	1 mV / 1 mA	**Trigger**	External trigger input
Protection	OVP / OCP / OPP / over-temperature	**Fan**	Intelligent speed control, low noise



ET53 series — five 400 W programmable loads

One Power Class, Every Bench Job

All five models are 400 W with the same modes and operation — choose only by voltage, current and channel count.

Battery and LED Testing Built In

Battery capacity mode for all battery types and an LED mode that simulates LED power-supply behaviour.

Made for Production Lines

Scan and list modes plus external trigger input fit automated and repetitive line testing.

Protected and Quiet

Settable over-voltage / over-current thresholds, full protection set and intelligent fan control.

Connected as Standard

USB and RS-232 on every model for remote operation; RS-485 available for industrial networks.

ET5406A+ / ET5407A+

PROGRAMMABLE DC ELECTRONIC LOADS

Advantages

- Economy 200 W Bench Loads
- 1 mV / 1 mA High Range
- Simple LCD Segment Display
- Nine Working Modes
- Dynamic, Scan & List Tests
- USB Standard; RS232 / RS485 Optional
- Battery Discharge-Capacity Test
- Short-Circuit Test
- Intelligent Fan, Low Noise

Programmable DC Electronic Loads

Specifications

Model	Rated Power	Input Voltage	Input Current	Positioning
ET5406A+	200 W	0–120 V	0–20 A	Chargers & adapters up to 120 V
ET5407A+	200 W	0–180 V	0–30 A	Wider range for PSU & battery work

Four basic modes (CC · CV · CR · CP) plus five professional test modes: battery, dynamic, scan, list and short-circuit — the same test set on both models.

General Specifications

Display	LCD segment display, adjustable backlight	**Interfaces**	USB standard; RS-232 or RS-485 optional
Resolution	1 mV / 1 mA and 10 mV / 10 mA ranges	**Key lock**	Locked in remote mode against misoperation
Protection	OVP / OCP / OPP / over-temperature	**Extra**	Reverse-polarity prompt; buzzer alarm



ET5406A+ / ET5407A+ — economy 200 W programmable loads

The Economy Bench Load

A 200 W programmable load at an entry price — for charger, adapter and battery benches that do not need 400 W.

Nine Modes, Nothing Missing

Four basic modes plus battery, dynamic, scan, list and short-circuit tests — the full everyday test set.

Easy to Start, Easy to Run

Segment LCD with adjustable backlight and a simple interface — new operators are productive in minutes.

Protected and Quiet

Full protection set with settable thresholds, reverse-polarity prompt and intelligent fan control.

Remote-Ready

USB as standard for remote operation; RS-232 or RS-485 can be fitted for system work.

ET54A+

PROGRAMMABLE DC ELECTRONIC LOADS

Advantages

- All Three Models Rated 400 W
- Three Models: Single & Dual Channel
- 2.8″ TFT Display, English / Chinese
- 1 mV / 1 mA Resolution
- Six Basic Modes + Combined Modes
- Internal-Resistance Test
- Battery Test up to 9,999 Ah
- LED, Dynamic, Scan & List Tests
- USB Standard; RS232 / RS485 Optional

Programmable DC Electronic Loads

Specifications

Model	Channels	Rated Power	Input Range	Positioning
ET5410A+	Single	400 W	0–150 V / 0–40 A	The all-round bench load
ET5420A+	Dual	400 W (200 W × 2)	0–150 V / 0–20 A × 2	Two channels in one unit
ET5411A+	Single	400 W	0–500 V / 0–15 A	High-voltage version

All models: CV · CC · CR · CP plus CC+CV and CR+CV combined modes; battery, LED, dynamic, scan, list, short-circuit and internal-resistance test functions.

General Specifications

Display	2.8″ TFT LCD, 400 × 240	**CR range**	0.05 Ω – 4.5 kΩ
Interfaces	USB standard; RS232 / RS485 optional	**Remote sense**	Hardware + software compensation
Protection	OCP / OVP / OPP, dual over-temperature	**Fan**	Intelligent speed control, low noise



ET54A+ series — 400 W programmable loads, single & dual channel

Made for Battery Testing

Dedicated battery mode discharges in CC or CR and measures capacity up to 9,999 Ah — the daily tool for pack and cell workshops.

Three Models, One Bench Line

Single or dual channel, 150 V or 500 V — all at 400 W, one operating style across the series.

Professional Test Functions

LED simulation, dynamic (transient) test, scan, list mode, short-circuit and internal-resistance tests built in.

Protected and Quiet

Settable over-current / over-voltage thresholds, dual software + hardware over-temperature protection, intelligent fan control.

Ready for the Bench System

USB as standard, optional RS232 / RS485 and external trigger for automated setups.

ET547X

HANDHELD DC ELECTRONIC LOADS

Advantages

- Handheld, Battery-Bench Ready
- Four Models to Choose From
- Compact Carry-Anywhere Format
- 80 W and 150 W Models
- For On-Site Battery Testing
- Same ET Load Operation
- Up to 300 V Input
- For Field Power Checks
- Bench Performance, In Hand

Handheld DC Electronic Loads

Specifications

Model	Power	Input Voltage	Input Current	Positioning
ET5470	80 W	0–80 V	0–20 A	Compact field load
ET5471	80 W	0–150 V	0–20 A	Wider voltage for field work
ET5475	150 W	0–150 V	0–20 A	Higher-power handheld
ET5476	150 W	0–300 V	0–10 A	High-voltage field testing

A programmable load you can carry to the job — for battery and power-supply checks where a bench instrument cannot go.

General Specifications

Format	Handheld, built-in rechargeable battery	**Power class**	80 W / 150 W
Input range	up to 300 V / 20 A	**Interface**	USB Type-C
Dimensions	90 × 116 × 165 mm	**Weight**	0.82 kg



ET547X series — handheld programmable loads

A Load That Goes to the Job

Battery rooms, solar sites and service benches — the ET547X brings programmable loading to the equipment instead of the other way round.

Four Models, Two Power Classes

80 W for light field checks, 150 W when the job needs more — with inputs up to 300 V.

Same Job, Smaller Box

Discharge and load checks that would otherwise wait for a bench instrument can be done on the spot.

Part of the ET Load Family

Bench lines up to 3600 W share the same test philosophy when the work moves back to the lab.

More Data on Request

Full datasheets with complete mode and accuracy tables are available for every model.

ET35

PRECISION LCR METERS

Advantages

- Basic Accuracy 0.05 %
- Measurement Speed up to 200 /s
- Internal + External DC Bias
- 10 Hz – 1 MHz Test Bandwidth
- 10-Point List Scan
- 7″ LCD, English / Chinese
- Frequency Adjustable in 1 mHz Steps
- 10-Bin Sorting & Counting
- LAN, RS232, USB & Handler

Precision LCR Meters

Specifications

Model	Test Frequency Range	Class	Positioning
ET3510	10 Hz – 1 MHz	Flagship	Widest bandwidth, R&D and materials
ET3505	10 Hz – 500 kHz	High	Fast production sorting
ET3503	10 Hz – 300 kHz	Mid	Incoming inspection & line use
ET3502	10 Hz – 200 kHz	Mid	Component inspection
ET3501	10 Hz – 100 kHz	Standard	Everyday precision LCR work

All models: automatic balance bridge design, test level 10 mV – 2000 mV adjustable in 1 mV steps, V / I test-signal monitoring, SCPI protocol.

General Specifications

Basic accuracy	0.05 %	**Test level**	10 mV – 2000 mV, 1 mV steps
Display	7″ LCD, Chinese / English	**Interfaces**	USB Host / Device, LAN, RS232, Handler
Sorting	10 bins with counting	**DC bias**	Internal programmable + external input



ET35 series — precision LCR meters, 100 kHz to 1 MHz

Precision Component Analysis

Automatic balance bridge measurement at 0.05 % basic accuracy for components and materials, from R&D benches to incoming inspection.

Frequency Without Gaps

Continuously adjustable test frequency in 1 mHz steps across the whole band — no fixed-point compromises.

Built for Sorting Lines

10-point list scan and 10-bin sorting with counting keep high-volume component sorting fast and consistent.

Bias and Monitoring

Internal programmable DC bias, external bias input and live V / I signal monitoring for capacitor and inductor work.

Fully Connected

USB, LAN, RS232 and Handler interfaces with SCPI for automated test systems; GPIB available.

ET4400 / ET4500

BENCHTOP LCR METERS

Advantages

- Basic Accuracy 0.2 %
- DC Resistance (DCR) Measurement
- Comparator Binning, 5 Bins
- Test Frequency up to 100 kHz
- Electrolytic Capacitor Mode
- 7-Point List Scan
- Automatic Component Identification
- Internal Bias 0 – 1500 mV
- 3.5″ TFT, 5-Digit Display

Benchtop LCR Meters

Specifications

Model	Frequency Range	Frequency Points	Positioning
ET4401	up to 10 kHz	10 fixed points	Entry benchtop LCR
ET4402	up to 20 kHz	12 fixed points	General component benches
ET4410	up to 100 kHz	16 fixed points	Widest fixed-point range
ET4501	10 Hz – 10 kHz	User-defined, 1 Hz steps	Adjustable-frequency entry model
ET4502	10 Hz – 20 kHz	User-defined, 1 Hz steps	Adjustable frequency, mid band
ET4510	10 Hz – 100 kHz	User-defined, 1 Hz steps	Full-range adjustable model

ET4400 models step through fixed test frequencies; ET4500 models set any frequency in 1 Hz steps. Test level 10 mV – 2000 mV on all models.

General Specifications

Basic accuracy	0.2 %	**Test level**	10 mV – 2000 mV, 1 mV steps
Display	3.5″ TFT LCD, 5-digit	**Interfaces**	USB Device, RS232, Handler; SCPI
Extra modes	DCR, electrolytic capacitor mode	**Calibration**	Open / short-circuit calibration



ET4400 / ET4500 series — benchtop LCR meters to 100 kHz

Two Ways to Set Frequency

Fixed-point ET4400 models for fast routine work; user-defined ET4500 models that dial any frequency in 1 Hz steps.

Identifies Components for You

Connect a component and the meter identifies and measures it automatically — less setup, fewer mistakes.

Capacitor-Friendly

A dedicated electrolytic capacitor mode plus internal bias output up to 1500 mV for realistic capacitor testing.

Sorting with an Alarm

Five-bin comparator binning with alarm and a 7-point list scan for inspection and light production sorting.

Data You Can Keep

Recording of maximum, minimum and average values, with USB, RS232 and Handler for system use.

ET43

HANDHELD LCR METERS

Advantages

- Handheld, Lithium-Battery Powered
- Automatic Component Identification
- Electrolytic Capacitor Mode
- Test Frequency up to 100 kHz
- Sorting & Deviation Measurement
- 2.8″ TFT, 4½-Digit Display
- Basic Accuracy 0.2 % / 0.3 %
- DC Resistance (ET431 and up)
- USB Type-C, SCPI

Handheld LCR Meters

Specifications

Model	Max. Frequency	Accuracy	Positioning
ET430B	10 kHz	0.3 %	Entry handheld for service work
ET430	100 kHz	0.3 %	Wide-frequency service model
ET431	10 kHz	0.2 %	Higher accuracy, with DCR
ET432	100 kHz	0.2 %	Wide frequency, higher accuracy
ET433	10 Hz – 100 kHz	0.2 %	Fully adjustable frequency flagship

Frequency setting: fixed points on ET430B / ET430 / ET431 / ET432; user-defined in 1 Hz steps on ET433. Internal bias output 0 – 1000 mV on the series.

General Specifications

Display	2.8″ TFT, 4½-digit	**Power**	Large-capacity lithium battery
Interface	USB Type-C, SCPI protocol	**Calibration**	Open / short-circuit calibration
Functions	Sorting, deviation measurement	**Settings**	English / Chinese, buzzer, brightness



ET43 series — handheld LCR meters for bench and field

Bench LCR, In Your Hand

A full LCR meter that runs on a lithium battery for long working hours — component checks anywhere, not only at the bench.

Identifies and Measures

Automatic component identification starts the right measurement as soon as the part is connected.

Sorting on the Spot

Deviation measurement and sorting functions for quick pass / fail decisions in service and inspection.

Steps Up When You Need More

From the 0.3 % service models to the 0.2 % fully-adjustable ET433 — one family, five steps.

Modern Connection

USB Type-C with SCPI for data and remote work; settings in English or Chinese.

ET33

DDS FUNCTION / ARBITRARY GENERATORS

Advantages

- Sine Output up to 60 MHz
- 5 Basic + 32 Arbitrary Waveforms
- Sweep and Burst Output
- 200 MSa/s, 13-Bit Resolution
- 50 Groups of User Waveforms
- 100 MHz Frequency Meter & Counter
- Dual Channel, Phase Synchronised
- AM / FM / PM + ASK / FSK / PSK
- 3.5″ TFT, 480 × 320

Dual-Channel DDS Function / Arbitrary Waveform Generators

Specifications

Model	Sine Wave Range	Class	Positioning
ET3315	1 μHz – 15 MHz	Standard	General laboratory signal source
ET3325	1 μHz – 25 MHz	Mid	Wider band for R&D benches
ET3340	1 μHz – 40 MHz	High	Communications and RF support work
ET3360	1 μHz – 60 MHz	Flagship	Widest band in the series

Square wave up to 15 MHz across the series; pulse output with adjustable edge time; linear / logarithmic sweep and burst modes on all models.

General Specifications

Sampling rate	200 MSa/s, 13-bit, 8k depth	**Display**	3.5″ TFT LCD, 480 × 320
Interfaces	RS232 & USB Device, SCPI (USB Host optional)	**Counter**	100 MHz meter, 32-digit counter
Modulation	AM / FM / PM, ASK / FSK / PSK	**Menus**	Chinese / English with key help



ET33 series — dual-channel DDS generators to 60 MHz

Precise, Stable, Low Distortion

Direct digital synthesis gives clean signals from 1 μHz to 60 MHz for development, teaching and service benches.

Two Channels, In Phase

Independent dual-channel output with phase synchronisation for differential and multi-signal setups.

Waveforms On Board

Five basic waveforms and 32 arbitrary waveforms built in, plus storage for 50 user-defined waveforms.

Modulation Included

Internal and external AM, FM and PM, plus ASK, FSK and PSK digital modulation — no extra instruments needed.

Meter and Counter Built In

A 100 MHz high-precision frequency meter and 32-digit counter ride along in the same box.

ET3300C

DDS FUNCTION / ARBITRARY GENERATORS

Advantages

- Economy DDS Generator Line
- Dual Channel, Phase Synchronised
- AM / FM / PM + ASK / FSK / PSK
- Sine Output up to 60 MHz
- 5 Basic + 32 Arbitrary Waveforms
- 100 MHz Frequency Meter & Counter
- 200 MSa/s, 13-Bit Resolution
- 50 Groups of User Waveforms
- 2.4″ TFT Display

Dual-Channel DDS Function / Arbitrary Waveform Generators

Specifications

Model	Sine Wave Range	Class	Positioning
ET3320C	1 µHz – 20 MHz	Economy	Education and general laboratory use
ET3340C	1 µHz – 40 MHz	Economy	Wider band at an economy price
ET3360C	1 µHz – 60 MHz	Economy	Full 60 MHz band, economy line

One channel can produce modulated output while the other outputs a basic waveform. Square wave up to 15 MHz; sweep and burst modes included.

General Specifications

Sampling rate	200 MSa/s, 13-bit	**Display**	2.4″ TFT LCD
Interface	USB Device	**Counter**	100 MHz meter, 32-digit counter
Modulation	AM / FM / PM, ASK / FSK / PSK	**Menus**	Chinese / English



ET3300C series — economy dual-channel DDS generators

The Sensible Generator

The ET3300C keeps the DDS core — 200 MSa/s, 13-bit, dual channel — and trims the extras for education and general labs.

Two Channels, In Phase

Independent outputs with phase synchronisation; modulate on one channel while the other carries a basic waveform.

Waveforms On Board

Five basic and 32 arbitrary waveforms built in, with storage for 50 user-defined waveforms.

Modulation Included

AM, FM and PM plus ASK, FSK and PSK — a full teaching and development modulation set.

Meter and Counter Built In

A 100 MHz frequency meter and 32-digit counter in the same instrument.

ETP-A

ADJUSTABLE DC POWER SUPPLIES

Advantages

- Up to 60 V / 10 A / 300 W
- 4-Digit LED V / I Display
- Quick Parameter Storage
- Resolution 10 mV / 1 mA
- RS232 and SCPI as Standard
- Keypad + Encoder Setting
- Automatic CV / CC Switching
- Full Protection Set
- Intelligent Temperature Fan

Adjustable DC Power Supplies

Specifications

Model	Output Voltage	Output Current	Power	Positioning
ETP1503A	0–15 V	0–3 A	45 W	Compact bench supply
ETP1506A	0–15 V	0–6 A	90 W	More current at 15 V
ETP3003A	0–30 V	0–3 A	90 W	The classic 30 V bench model
ETP3005A	0–30 V	0–5 A	150 W	General laboratory workhorse
ETP3010A	0–30 V	0–10 A	300 W	Full-power 30 V model
ETP6003A	0–60 V	0–3 A	180 W	Higher-voltage work
ETP6005A	0–60 V	0–5 A	300 W	Full-power 60 V model

Single output on all models; voltage and current continuously adjustable; switch-mode design — high efficiency and light weight.

General Specifications

Display	4-digit LED, voltage + current	**Interface**	RS232 standard, SCPI; RS485 address internal
Modes	CV / CC automatic switching	**Protection**	OVP / OCP / OPP / over-temperature
Setting	Keypad + encoder, digit-by-digit	**Fan**	Intelligent temperature control



ETP-A series — single-output adjustable DC supplies

The Everyday Bench Supply

Seven models from 45 W to 300 W cover the standard bench voltages — 15 V, 30 V and 60 V classes.

Set It Precisely

10 mV / 1 mA resolution with keypad and encoder setting, digit by digit, plus one group of quick storage.

CV / CC Without Thinking

Constant-voltage and constant-current modes switch automatically with a clear status indicator.

Remote Control Ready

RS232 with SCPI as standard — the supply joins automated setups without options or extras.

Protected and Efficient

Full protection set and an intelligent fan in a light, efficient switch-mode design.

ETP-B

DC STABILIZED POWER SUPPLIES

Advantages

- Single Output, 15 V – 150 V Classes
- Light, Approx. 1.3 kg
- Bench and Education Ready
- Three-Window V / I / P Readout
- Optional 5 V / 2 A USB Fast Charge
- Clear, Simple Operation
- Memory Presets
- All Models 300 W Class or Below
- One Family, Eight Models

DC Stabilized Power Supplies

Specifications

Model	Output Voltage	Output Current	Power	Positioning
ETP1506B	0–15 V	0–6 A	90 W	Compact bench supply
ETP1520B	0–15 V	0–20 A	300 W	High current at 15 V
ETP3005B	0–30 V	0–5 A	150 W	General bench workhorse
ETP3010B	0–30 V	0–10 A	300 W	Full-power 30 V model
ETP6003B	0–60 V	0–3 A	180 W	Higher-voltage work
ETP6005B	0–60 V	0–5 A	300 W	Full-power 60 V model
ETP10003B	0–100 V	0–3 A	300 W	100 V class work
ETP15002B	0–150 V	0–2 A	300 W	Highest voltage in the family

Single output on all models. A three-window display reads voltage, current and power at the same time; memory presets recall working settings.

General Specifications

Display	Three-window V / I / P readout	**Weight**	Approx. 1.3 kg
Presets	3 shortcut storage groups	**Communication**	RS232 standard; USB / RS485 optional
Output classes	15 / 30 / 60 / 100 / 150 V	**Warranty**	12 months



ETP-B series — single-output DC stabilized supplies

Voltage, Current, Power — At Once

The three-window readout shows all three values together, so the state of the device under test is never a guess.

From 15 V to 150 V

Eight models climb the voltage classes while staying in one light, bench-friendly format of about 1.3 kg.

Presets for Repeat Work

Memory presets bring back standard settings instantly — teaching labs and routine benches save the setup time.

A USB Port for the Bench

The optional 5 V / 2 A fast-charge output powers the phone or tablet that always sits next to the supply.

Simple by Design

One output, clear readouts, no menu maze — a supply that students and technicians just use.

ETP-S

PROGRAMMABLE DC POWER SUPPLIES

Advantages

- High-Precision, Low-Ripple Output
- Adjustable Channels to 100 V
- 3.5″ TFT Colour Display
- 2- and 3-Channel Families
- Currents up to 30 A
- 100-Group List Output
- Fixed 5 V / 2 A Auxiliary Output
- For R&D and Automated Test
- 15 Models to Choose From

High-Precision Programmable DC Power Supplies

Specifications

Models	Adjustable Output	Auxiliary	Positioning
ETP2303S / 2305S / 23010S	30 V · 3 / 5 / 10 A	5 V / 2 A fixed	Two-channel R&D supplies
ETP2605S / 26010S / 26015S	60 V · 5 / 10 / 15 A	5 V / 2 A fixed	Higher-voltage R&D work
ETP23020S / 23030S	30 V · 20 / 30 A	5 V / 2 A fixed	High-current benches
ETP22030S	20 V · 30 A	5 V / 2 A fixed	Low-voltage, high-current
ETP21003S	100 V · 3 A	5 V / 2 A fixed	100 V class R&D
ETP29010S	90 V · 10 A	5 V / 2 A fixed	High power, two channels
ETP3303S / 3305S / 33010S	30 V · 3 / 5 / 10 A × 2 ch	5 V / 2 A fixed	Three-channel: dual adjustable
ETP3605S	60 V · 5 A × 2 ch	5 V / 2 A fixed	Three-channel, 60 V class
ETP31003S	100 V · 3 A × 2 ch	5 V / 2 A fixed	Three-channel, 100 V class

ETP2xxxS models: one adjustable channel plus a fixed 5 V / 2 A output. ETP3xxxS models: two adjustable channels plus the fixed output.

General Specifications

Display	3.5″ TFT colour screen	**Interfaces**	USB Device, RS232; SCPI
Resolution	1 mV / 1 mA setting & display	**List output**	100 groups
Max. range	910 W · 100 V · 30 A	**Warranty**	12 months



ETP-S series — programmable supplies for R&D and ATE

Precision for Development Benches

Low-ripple, high-precision output for R&D work where the supply must never be the source of the problem.

The Auxiliary Channel Is Built In

Every model carries a fixed 5 V / 2 A output for logic and accessories — no second supply on the bench.

Two or Three Channels

Single-adjustable ETP2xxxS or dual-adjustable ETP3xxxS — matched pairs for devices with two rails.

Current Up to 30 A

High-current models serve power stages and burn-in work inside the same programmable family.

Made for Automated Test

A programmable series that fits ATE racks as naturally as it fits the development bench.

ETP-C

SINGLE-CHANNEL DC POWER SUPPLIES

Advantages

- Output up to 60 V / 24 A / 1440 W
- 9 Groups of Shortcut Parameters
- Automatic CV / CC Switching
- Runs from an External 6–70 V Input
- 2.4″ Colour LCD
- Internal + External Temperature Sensing
- Battery Charging Function
- USB Type-C; WiFi / RS485 Optional
- Intelligent Temperature Fan

Single-Channel DC Power Supplies

Specifications

Model	Max. Current	Max. Power	Input	Positioning
ETP6006C-PS	6 A	360 W	6–70 V external	Compact powered-module supply
ETP6012C-PS	12 A	720 W	6–70 V external	Mid-power charging & supply
ETP6018C-PS	18 A	1080 W	6–70 V external	High-power module work
ETP6024C-PS	24 A	1440 W	6–70 V external	Full-power flagship

Maximum output voltage 60 V; the achievable output follows the input supply ((input ÷ 1.1) - 1, up to 60 V). Output and battery-charging output are both adjustable.

General Specifications

Display	2.4″ colour LCD, adjustable brightness	**Communication**	USB Type-C; WiFi / 232-to-485 optional
Setting	Keypad + encoder; 9 shortcut groups	**Protection**	OVP / OCP / OPP / over-temperature
Charging	Battery charging with personal settings	**PC software**	Supported; baud 9600 – 115200



ETP-C series — high-power single-channel modules

Big Power from a DC Input

Feed the module 6–70 V and it delivers up to 60 V / 24 A / 1440 W of regulated, adjustable output.

A Charger as Well as a Supply

The battery-charging output is adjustable with personalised settings — one unit for supply and charge work.

Nine Shortcuts

Nine groups of shortcut parameters stored and recalled — repeat jobs start where the last one ended.

Temperature Aware

Internal and external temperature detection, with an external thermistor connection, guards the work.

Connected Your Way

USB Type-C as standard; WiFi and RS485 modules when the system needs them.

ETP-H

MULTI-CHANNEL DC POWER SUPPLIES

Advantages

- Three Channels in One Unit
- Currents up to 10 A per Channel
- Matched Dual Rails
- Two Adjustable + Fixed 5 V / 3 A
- Power Several Devices at Once
- Series / Parallel Output Modes
- Voltage Classes 30 / 60 / 100 V
- One Bench Footprint
- USB Device + SCPI Control

Multi-Channel DC Power Supplies

Specifications

Model	Adjustable Channels (×2)	Auxiliary	Positioning
ETP303H	30 V / 3 A	5 V / 3 A fixed	General dual-rail bench work
ETP305H	30 V / 5 A	5 V / 3 A fixed	More current at 30 V
ETP3010H	30 V / 10 A	5 V / 3 A fixed	Full-current 30 V model
ETP603H	60 V / 3 A	5 V / 3 A fixed	60 V dual-rail work
ETP605H	60 V / 5 A	5 V / 3 A fixed	60 V with more current
ETP1003H	100 V / 3 A	5 V / 3 A fixed	100 V class dual-rail work

Channel 1 and Channel 2 are independently adjustable; Channel 3 is a fixed 5 V / 3 A output for logic and accessories.

General Specifications

Channels	3 (2 adjustable + 1 fixed)	**Voltage classes**	30 / 60 / 100 V
Display	4-digit LED, dual V / I readout	**Interface**	USB Device; SCPI
Output modes	Independent / series / parallel	**Storage**	6 groups of settings



ETP-H series — three-channel DC supplies

Three Rails, One Box

Two adjustable channels plus a fixed 5 V / 3 A rail power a complete device under test from a single unit.

Matched Pairs

Dual adjustable channels suit split-rail and differential circuits that must rise and fall together.

No Second Supply

The fixed logic rail removes the extra bench supply that multi-rail work usually needs.

Voltage Classes to 100 V

30 V, 60 V and 100 V families cover everything from logic boards to industrial controls.

Bench Space Saved

One footprint, one mains lead, three outputs — the tidy way to power complex devices.

ETP-E

MEDIUM / HIGH-POWER DC SUPPLIES

Advantages

- 450 W to 1800 W Single Output
- Twenty Models, One Family
- Pick Exactly Your V / A Point
- Voltage Classes 15 V – 150 V
- For Industrial & Burn-In Work
- Same Operation Throughout
- Currents up to 60 A
- High-Power Bench / Rack Duty
- Built for Continuous Running

Medium / High-Power DC Power Supplies

Specifications

Power	Models (V / A)	Positioning
450 W	ETP1530E 15 V/30 A · ETP3015E 30 V/15 A	Entry high-power class
500 W	ETP5010E 50 V/10 A · ETP1005E 100 V/5 A	Mid-voltage power work
600 W	ETP3020E 30 V/20 A · ETP6010E 60 V/10 A	Production and burn-in
900 W	ETP3030E 30 V/30 A · ETP1560E 15 V/60 A · ETP6015E 60 V/15 A	Heavy bench and line duty
1000 W	ETP5020E 50 V/20 A · ETP2050E 20 V/50 A · ETP10010E 100 V/10 A	Kilowatt-class supplies
1200 W	ETP6020E 60 V/20 A · ETP8015E 80 V/15 A	Industrial power testing
1500 W	ETP5030E 50 V/30 A · ETP3050E 30 V/50 A · ETP15010E 150 V/10 A	High-voltage or high-current
1800 W	ETP3060E 30 V/60 A · ETP6030E 60 V/30 A · ETP12015E 120 V/15 A	Top of the family

Single output on all twenty models. Choose the power class first, then the voltage / current point that matches the load.

General Specifications

Power classes	450 W – 1800 W (8 classes)	**Voltage classes**	15 – 150 V
Display	4-digit LED — voltage, current & power	**Interfaces**	RS232, USB; SCPI / Modbus
Dimensions	370 × 245 × 150 mm	**Weight**	4.7 kg



ETP-E series — medium / high-power programmable DC supplies

Power Without the Custom Price

Twenty stocked models from 450 W to 1800 W — high power as a catalogue choice, not a special order.

Every V / A Corner Covered

High voltage to 150 V, high current to 60 A, and the balanced points in between.

Built for Burn-In

Continuous-duty supplies for ageing racks and production soak testing.

One Family to Learn

The same operation from the 450 W entry model to the 1800 W flagship — training and spares stay simple.

Industrial Duty

For factories, repair centres and test houses that run power all day, every day.

ET32

BENCHTOP DIGITAL MULTIMETERS

Advantages

- 4½, 5½ and 6½ Digit Classes
- Full-Range Overload Protection
- Eleven Models in Three Sub-Series
- True RMS with Dual Display
- Mains Powered Bench Format
- University & Laboratory Ready
- 3.5″ TFT, 320 × 480
- STM32 + Dual-Integration ADC
- Fast, Stable Readings

Benchtop Digital Multimeters

Specifications

Sub-Series	Digit Class	Models	Positioning
ET3240 Series	4½ digit	ET3240 / 3241 / 3241B / 3242 / 3243	Full-function everyday bench DMM
ET3255 Series	5½ digit	ET3255 / 3256 / 3257 / 3258	Higher-resolution laboratory work
ET3260 Series	6½ digit	ET3260 / ET3260A	High-accuracy flagship; two terminal / interface variants

All models: true-RMS measurement with dual display, full-function full-range overload protection, mains power. The ET3260 sub-series adds dual-reference calibration — full calibration with one 10 V standard and one 10 kΩ standard in under an hour.

General Specifications

Display	3.5″ TFT, 320 × 480	**Measurement**	True RMS, dual display
Protection	Full-range overload protection	**Power**	Mains powered
Digit classes	4½ / 5½ / 6½ digit	**Use**	Laboratories, universities, service



ET32 family — benchtop DMMs from 4½ to 6½ digits

Three Steps of Resolution

Start at 4½ digits for everyday work, step to 5½ for the lab, and 6½ when the reading itself is the product.

Dual Display, True RMS

Two readings at once with true-RMS accuracy — voltage with frequency, current with voltage, no switching.

Protected Everywhere

Full-function, full-range overload protection across the family — student-proof and service-proof.

Calibration Made Simple

The 6½-digit models calibrate against just two standards — a 10 V source and a 10 kΩ resistor — in under an hour.

A Bench Fixture

Mains powered with a clear 3.5-inch colour display: the meter that lives on the bench and is always ready.

ET3916

MULTI-CHANNEL TEMPERATURE TESTERS

Advantages

- 8 to 64 Channels, Modular
- Numeric, Curve & Bar-Graph Views
- Per-Channel Alarm Limits
- 8 Thermocouple Types: J K T E S N B R
- 8 GB Storage, USB Export
- Channel Isolation to 400 V Peak
- 5″ Industrial Colour LCD
- Sampling from 0.1 s / Channel
- Real-Time Clock, Battery Backup

Multi-Channel Temperature Testers (Thermocouple)

Specifications

Model	Channels	Positioning
ET3916-08	8	Small ovens and appliance testing
ET3916-16	16	Production temperature checks
ET3916-24	24	Multi-point process monitoring
ET3916-32	32	Larger test rigs and chambers
ET3916-48	48	Plant-wide temperature logging
ET3916-64	64	Maximum channel count

Each measurement module carries 8 channels; systems are configured to the channel count ordered. Six-digit display, -999.99 to 9999.99; numeric view shows 4 / 8 / 16 / 32 channels with auto page-turning.

General Specifications

Sensors	Thermocouple J / K / T / E / S / N / B / R	**Display**	5″ industrial true-colour LCD
Storage	8 GB FLASH; export by USB drive	**Sampling**	1 / 0.5 / 0.1 s per channel
Alarms	Per-channel high / low, sound + light; relay optional	**Isolation**	Channels isolated, 400 V peak



ET3916 series — thermocouple loggers, 8–64 channels

Every Point, One Instrument

Up to 64 thermocouple channels recorded together — ovens, motors, heaters and processes in a single run.

Three Ways to Watch

Numeric tables, live curves and bar graphs on a 5-inch industrial colour display.

Alarms That Speak Up

Per-channel high / low limits with sound and light alarms — and relay output when the line must react.

Data That Stays

8 GB of on-board history with USB export and a battery-backed real-time clock — power cuts lose nothing.

Built for Industry

Isolated channels (400 V peak) and strong anti-interference design for electrically noisy plants.

ET3916T

MULTI-CHANNEL TEMPERATURE TESTERS

Advantages

- Enhanced Edition of the ET3916
- 8 to 64 Channels, Modular
- Numeric, Curve & Bar-Graph Views
- Resolution 0.01 °C
- Thermocouple Measurement
- On-Board History Storage
- Accuracy 0.05 % FS — Same as ET3916
- 5″ Industrial Colour LCD
- Per-Channel Alarm Limits

Multi-Channel Temperature Testers (High Resolution)

Specifications

Model	Channels	Positioning
ET3916-08T	8	Precision small-system logging
ET3916-16T	16	Fine-resolution production checks
ET3916-24T	24	Precision multi-point monitoring
ET3916-32T	32	Laboratory and validation rigs
ET3916-48T	48	Large precision installations
ET3916-64T	64	Maximum channels, finest resolution

The T models are the enhanced edition of the ET3916 thermocouple series: ten times the display resolution (0.01 °C) at the same accuracy as the base series, in the same modular channel concept.

General Specifications

Resolution	0.01 °C	**Accuracy**	0.05 % FS (same as ET3916)
Channels	8 – 64, modular in 8-channel modules	**Base series**	ET3916 thermocouple platform
Display	5″ industrial true-colour LCD	**Use**	Validation, laboratories, precision QA



ET3916T series — high-resolution temperature loggers

When 0.1 °C Is Not Enough

The T edition reads to 0.01 °C at the same accuracy as the ET3916 — for validation work where the standard logger runs out of resolution.

Same Modular Concept

Eight-channel modules build systems from 8 to 64 channels, exactly like the base ET3916 series.

Three Ways to Watch

Numeric tables, live curves and bar graphs on the 5-inch industrial colour display.

Alarms and History

Per-channel limits, sound and light alarms, and long on-board history for unattended runs.

Step Up, Not Across

Existing ET3916 users keep their workflow — the T models simply measure finer.

ET3916R

MULTI-CHANNEL TEMPERATURE TESTERS

Advantages

- 6 to 48 Channels, Modular
- Numeric, Curve & Bar-Graph Views
- Per-Channel Alarm Limits
- 10 Thermocouple + 4 RTD Types
- 8 GB TF Storage, USB Export
- Channel Isolation to 400 V Peak
- 5″ Industrial Colour LCD
- Sampling from 0.2 s / Channel
- USB & RS232 with SCPI

Multi-Channel Temperature Testers (RTD / Thermocouple)

Specifications

Model	Channels	Positioning
ET3916R-06	6	Compact RTD / TC logging
ET3916R-12	12	Small process monitoring
ET3916R-18	18	Mid-size test rigs
ET3916R-24	24	Production temperature mapping
ET3916R-30	30	Larger chambers and lines
ET3916R-36	36	Plant monitoring systems
ET3916R-48	48	Maximum channel count

Each measurement module carries 6 channels. Thermocouples: J, K, T, E, S, N, B, R, WRe3-25, WRe5-26. RTDs: PT1000, PT100, CU100, CU50.

General Specifications

Sensors	10 TC types + PT1000 / PT100 / CU100 / CU50	**Display**	5″ industrial true-colour LCD
Storage	8 GB TF card; export by USB drive	**Interfaces**	USB Device / Host, RS232; SCPI
Sampling	1 / 0.5 / 0.2 s per channel	**Isolation**	Channels isolated, 400 V peak
Accuracy	TC 0.02 % FS · RTD 0.1 % FS	**Cold junction**	±0.5 °C compensation



ET3916R series — RTD + thermocouple loggers, 6–48 channels

RTD and Thermocouple Together

Four RTD types for precision points and ten thermocouple types for range — one logger takes both sensor worlds.

Every Point, One Instrument

Up to 48 channels recorded together for chamber mapping, process monitoring and product testing.

Three Ways to Watch

Numeric tables, live curves and bar graphs; the numeric view pages 6 / 12 / 18 / 24 channels automatically.

Connected and Programmable

USB and RS232 with SCPI — the logger joins automated data systems, not just the bench.

Data That Stays

8 GB TF-card history, USB export and a battery-backed clock keep long runs intact.

ET3917

MULTI-CHANNEL TEMPERATURE TESTERS

Advantages

- 6 to 48 Channels, Modular
- 10 V / 100 V Voltage Ranges
- 8 GB TF Storage, USB Export
- 10 Thermocouple + 4 RTD Types
- 20 mA Current Range
- Sampling from 0.2 s / Channel
- Plus Voltage & Current Inputs
- 5″ Industrial Colour LCD
- Channel Isolation to 400 V Peak

Multi-Channel Temperature Testers (Full Function)

Specifications

Model	Channels	Positioning
ET3917-06	6	Mixed-signal compact logging
ET3917-12	12	Small mixed-signal systems
ET3917-18	18	Mid-size test rigs
ET3917-24	24	Production monitoring
ET3917-30	30	Larger chambers and lines
ET3917-36	36	Plant monitoring systems
ET3917-48	48	Maximum channel count

Full-function edition: everything the ET3916R measures, plus DC voltage (10 V / 100 V ranges) and current (20 mA range) channels for mixed-signal logging.

General Specifications

Sensors	10 TC types + 4 RTD types + V / I inputs	**Display**	5″ industrial true-colour LCD
Storage	8 GB TF card; export by USB drive	**Sampling**	1 / 0.5 / 0.2 s per channel
Extra inputs	Voltage 10 V / 100 V; current 20 mA	**Isolation**	Channels isolated, 400 V peak
Accuracy	TC 0.02 % FS · RTD 0.1 % FS · V/I 0.02 % FS	**Interfaces**	USB Device / Host, RS232; SCPI



ET3917 series — full-function multi-signal loggers

Temperature Plus the Rest of the Story

Voltage and current channels join temperature in one record — heater power, sensor signals and temperature finally share a timeline.

Every Sensor Type

Ten thermocouples and four RTDs cover the full temperature range of industrial work.

Every Point, One Instrument

Up to 48 channels in one modular system for mapping, monitoring and validation.

Three Ways to Watch

Numeric, curve and bar-graph views on the 5-inch industrial colour display.

Data That Stays

8 GB of history, USB export and a battery-backed real-time clock for unattended long runs.

ET51

DC LOW RESISTANCE TESTERS

Resistance Tester

Overview

Advantages

- Ranges from 10 µΩ to 2 MΩ
- Sorting Comparison with Alarm
- Internal / Manual / External Trigger
- Highest Resolution 10 µΩ
- Direct & Percentage Display
- RS232 & Handler, SCPI
- Basic Accuracy 0.1 % + 3 Digits
- Short-Circuit Zero Correction
- 5″ LCD with Backlight

DC Low Resistance Testers

Specifications

Model	Test Range	Class	Positioning
ET510	10 µΩ – 5 kΩ	Standard	Winding, contact and cable resistance
ET511	10 µΩ – 20 kΩ	Mid	Wider range for mixed work
ET512	10 µΩ – 200 kΩ	High	High-resistance components
ET513	10 µΩ – 2 MΩ	Flagship	Widest range in the series

Seven standard ranges (nine optional); range span adjustable. Measures transformer windings, relay contacts, cable conductors, bonding resistance, fuses and conductive parts.

General Specifications

Resolution	10 µΩ maximum	**Accuracy**	0.1 % + 3 digits
Display	5″ LCD with backlight	**Interfaces**	RS232 & Handler; SCPI
Sorting	Comparator with alarm output	**Trigger**	Internal / manual / external



ET51 series — DC low-resistance (milliohm) testers

Milliohms, Measured Properly

Four-wire DC measurement from 10 µΩ resolves the contact and winding resistances that ordinary multimeters cannot see.

Sorting for the Line

Built-in comparator sorting with alarm and result output suits production-line go / no-go testing.

Zero You Can Trust

Short-circuit correction removes lead resistance — the reading is the part, not the probes.

Triggers for Automation

Internal, manual and external triggering plus RS232 / Handler with SCPI for PLC and PC control.

One Family, Four Ranges

From the 5 kΩ workshop model to the 2 MΩ flagship — the same operation throughout.

ET52X

HANDHELD LOW RESISTANCE TESTERS

Resistance Tester

Overview

Advantages

- Handheld Milliohm Measurement
- Field Maintenance Format
- Same Ranges as the ET51 Bench Line
- Ranges to 5 kΩ – 2 MΩ
- Contact & Cable Checks On Site
- Carry-Anywhere Format
- Four Models by Range
- Bonding Resistance Testing
- Quick Go / No-Go Checks

Handheld DC Low Resistance Testers

Specifications

Model	Range (to)	Class	Positioning
ET520	5 kΩ	Standard	Everyday field resistance checks
ET521	20 kΩ	Mid	Wider range for mixed work
ET522	200 kΩ	High	High-resistance components
ET523	2 MΩ	Flagship	Widest range in the family

The handheld counterpart of the ET51 bench series — the same four range classes in a carry-anywhere format for maintenance and field service.

General Specifications

Display	3.5″ TFT, 480 × 320	**Min. resolution**	10 µΩ
Test method	Four-terminal (Kelvin), 100 mA max.	**Interface**	USB Type-C
Dimensions	210 × 110 × 34 mm	**Power**	Rechargeable Li-ion battery



ET52X series — handheld DC low resistance testers

Milliohm Work, On Site

Contact, cable and bonding resistance checks where the equipment actually is — no bench required.

Four Ranges, One Format

Pick the range class the work needs; the instrument stays the same in the hand.

Maintenance-First

Quick go / no-go resistance checks for service teams and inspectors.

Family Ties

Matches the ET51 bench line range for range — field findings and lab readings speak the same language.

Comparator Sorting

Set upper and lower limits — the instrument judges pass or fail on the spot, no mental arithmetic.

YTE610

THREE-PHASE ENERGY METER FIELD CALIBRATOR

Advantages

- On-Site Meter Verification
- Class 0.05 / 0.1 Accuracy
- 8+ Hours on Battery
- No Power Cut, No Meter Removal
- Harmonics 2nd–50th & Unbalance
- 10,000 Records Stored
- 144 Wiring-Error Checks
- Vector Diagram Display
- Optional Built-In Printer

Three-Phase Energy Meter Field Calibrator

Specifications

Model	Clamp CT Range	Positioning
YTE610-10	10 A	Small-service and residential meter checks
YTE610-30	30 A	General field verification work
YTE610-100	100 A	Larger services and CT-operated meters

All three models share the same measurement, wiring-check and power-quality functions; they differ only in the clamp CT range fitted. Other clamp ranges can be selected as custom sensors.

General Specifications

Display	5″ TFT, 800 × 480	**Accuracy class**	0.05 (Type A) / 0.1 (Type B)
Interfaces	RS232, USB Host / Device, LAN	**Dimensions**	300 × 270 × 165 mm
Weight	2.8 kg	**Working temperature**	-25 °C to +55 °C



YTE610 — three-phase energy meter field calibrator in its carry case

Verify Meters Where They Stand

Error-check single- and three-phase active and reactive meters on site — no meter removal, no power cut.

Wiring Errors, Named

Vector diagram plus 144 wiring-error discriminations (48 three-wire, 96 four-wire), the error described in words and a correction coefficient given.

Power Quality Built In

Harmonics to the 50th with histogram display, total harmonic distortion and three-phase unbalance measurement.

A Full Field Day

Built-in lithium battery runs 8 hours or more; 10,000 records stored for USB export or PC upload.

Print on the Spot

Optional built-in micro printer for test data at the meter — plus barcode-scanner input for meter ID and user data.

YTE215X

EARTH RESISTANCE TESTERS

Advantages

- Earth Resistance + Earth Voltage
- Backlit Segment LCD
- OL Over-Range Indication
- Auto-Ranging Measurement
- Built-In Lithium Battery
- Spikes & 5/10/15 m Leads Included
- 100-Reading Memory & Data Hold
- Type-C Charging
- Only 0.3 kg in the Hand

Handheld Earth Resistance Testers

Specifications

Model	Earth Range	Positioning
YTE2150	20 / 200 Ω	Standard earth-resistance testing
YTE2151	20 / 200 / 2000 Ω	Wider range for high-resistance grounds

Both models also measure AC earth voltage to 600 V. Test spikes and 5 m / 10 m / 15 m leads are included as standard.

General Specifications

Display	Segment LCD with backlight	**Memory**	100 readings, data hold
Earth voltage	AC 20 / 200 / 600 V	**Dimensions**	170 × 105 × 50 mm
Weight	approx. 0.3 kg	**Power**	Li-ion 3.7 V, 1500 mAh · Type-C



YTE215X series — handheld earth resistance testers

Ground Checks Anywhere

Earth resistance of power systems, electrical equipment and lightning-protection grounding — measured at the installation, not in the lab.

Two Measurements in One

Earth resistance plus AC earth voltage in a single handheld instrument.

Complete Kit in Hand

Earth spikes and colour-coded 5 m, 10 m and 15 m test leads are standard — open the case and measure.

Auto-Ranging, No Fuss

Automatic range switching for voltage and resistance, data hold and a 100-reading memory.

Pocketable

About 0.3 kg with a built-in lithium battery — a full day of grounding checks without a bench or a mains socket.

YTE216X

INSULATION RESISTANCE TESTERS

Advantages

- Four Test Voltages to 1000 V
- Auto Voltage Discharge
- 100-Reading Memory
- Insulation to 10 GΩ / 100 GΩ
- AC / DC Voltage & Low Resistance
- Built-In Rechargeable Battery
- PI & DAR Calculated Automatically
- Backlit LCD, HV Warning
- 9999-Count Display

Digital Insulation Resistance Testers

Specifications

Model	Insulation Range	Positioning
YTE2160	0 – 10 GΩ	Motors, cables and switchgear, test voltages to 1000 V
YTE2161	0 – 100 GΩ	Widest range in the family — high-resistance insulation work

Both models share the same functions: insulation resistance, AC / DC voltage and low-resistance measurement, PI / DAR calculation and 100-reading storage.

General Specifications

Display	LCD, max. reading 9999, backlit	**Test voltages**	100 / 200 / 500 / 1000 V
Short-circuit current	<= 2 mA	**Dimensions**	155 × 105 × 45 mm
Data storage	100 readings	**Power**	Li-ion 3.7 V, 1500 mAh



YTE216X series — digital insulation resistance testers

Insulation Health, Quantified

Insulation resistance of motors, transformers, cables, switchgear and insulating materials — for maintenance, testing and inspection.

PI and DAR Built In

Polarization index and dielectric absorption ratio calculated and displayed — the trend numbers insulation diagnosis runs on.

Safe by Design

High-voltage indicator lamp, buzzer prompts and warning symbols, plus automatic voltage discharge after the test.

More Than a Megger

AC / DC voltage and low-resistance measurement on board — fewer instruments in the field bag.

Field Format

Backlit display for dark plant rooms, a 100-reading memory and a rechargeable lithium battery.

ET6210

HANDHELD OSCILLOSCOPE MULTIMETER

Advantages

- 100 MHz, 2 Channels
- 25 MHz Waveform Generator
- 3.5″ LCD
- 500 MSa/s, 8K Memory
- 10,000 wfms/s Capture Rate
- USB-C with SCPI
- 20,000-Count True RMS Multimeter
- CAT III 600 V Rated
- Only 0.6 kg, Battery Powered

Handheld Oscilloscope — 3-in-1

Specifications

Function	Key Specification	Notes
Oscilloscope	100 MHz · 2 ch · 500 MSa/s	8K memory depth; 10,000 wfms/s capture
Multimeter	20,000 counts, True RMS	DC 1000 V / AC 750 V / 10 A
Waveform generator	25 MHz arbitrary output	Built-in signal source for stimulus work
Safety	CAT III 600 V	Rated for distribution-level circuits
Format	198 × 96 × 38 mm, approx. 0.6 kg	Twin 18650 cells; USB-C; SCPI control

Three instruments in one hand: oscilloscope, True RMS multimeter and waveform generator — for field service, repair benches and teaching labs.

General Specifications

Display	3.5″ LCD	**Interface**	USB-C, SCPI
Power	2 × 18650 rechargeable cells	**Weight**	Approx. 0.6 kg
Safety rating	CAT III 600 V	**Warranty**	12 months



ET6210 — scope, meter and generator in one hand

Three Instruments, One Hand

Oscilloscope, 20,000-count True RMS multimeter and 25 MHz generator — the service kit in a single 0.6 kg unit.

A Real Oscilloscope

100 MHz bandwidth, 500 MSa/s sampling and a 10,000 wfms/s capture rate catch the glitches slower scopes miss.

Rated for Real Circuits

CAT III 600 V safety rating for work on distribution-level installations.

Generator On Board

The 25 MHz arbitrary output provides stimulus signals without a second instrument.

Modern Field Format

USB-C charging and SCPI control, twin 18650 cells, and a bright 3.5-inch display.