

AVO800 series - Catalogue copy

AVO800 Digital multimeters

A range of digital Multimeters designed for a wide range of applications with a focus on electrical installation and service applications. Developed to an ergonomic design the latest measurement techniques and live circuit protection. Both AVO800 models offer a range of features optimised for installation, service and maintenance of electrical applications and equipment, white goods service and utilities.

Features include:

- Two wire phase sequence (rotation)
- 600V or 1000V Trms AC and DC voltage measurement*
- 10Mohm and 10kohm input impedance switching
- CATIV and CAT III application*
- Smart capacitance measurement (patent applied for)
- Safety shuttered connection terminals
- Combined dual digital and analogue arc display
- Live circuit detection and protection on all non-electrical measurement modes
- AC+DC measurement mode
- Non-contact live circuit detection
- IP54 environmental protection

* Model dependent

AVO 830 and AVO 835 instrument special features

- Phase sequence (rotation) using two wire connection. Allows easy phase sequence identification using only two test probes or clips.
- LOZ – High - Low input impedance switching for ghost voltage identification
- Smart capacitance measurement ensures safe discharge of capacitors when making capacitance measurements.

General specifications	
Product Type:	Digital multimeter
Voltage Range:	AVO 830 - 0.0001V AC/DC to 600V AC/DC Trms AVO 835 - 0.0001V AC/DC to 1000V AC/DC Trms
Current range:	0.01mA – 10.00A AC/DC
Phase rotation	95V – 440 V AC
Frequency measurement:	10Hz – 100 kHz
Resistance range:	0.01 ohms to 50.00 M ohms

Continuity range (Buzzer):	0.01 ohms – 100 ohms
Capacitance/conductance:	0.1 nF to 20 mF / 1.00 nS - 60.00 nS
Diode test:	0 V – (+)2.8 V
Live circuit detection:	95 Vac – 1000 Vac (50Hz-60Hz)
Temperature range:	-20°C - +265°C (AVO835 only)
Humidity	90% RH at 40° C max.
Operating Temperature Range: ° F (° C)	-10°C to +50°C (14°F to 131°F)
Storage Temperature Range:	-30° C to +70° C (-13°F to 158°F)
Operational Altitude:	<2000m (<6561.5 ft)
Dimensions:	Instrument: 200 x 100 x 38 mm (7.88 in. x 3.94 in. x 1.50 in.) Instrument and case: 304 x 267 x 114 mm (12 in. x 10.5 in. x 4.5 in.)
Weight:	420 grams (15 Ounces / 0.915 lbs)
Safety	EN 61010-1 (2010 ed3) to: AVO830 - 600 V Category IV AVO835 – 1000 V Category III / 600 V Category IV
Environmental	IP54
Power:	2 x 1.5 V cells type IEC LR6 (AA, MN1500, HP7, AM3 R6HP) Alkaline or 1.2V Rechargeable NiMH (HR6)
Battery life:	150 Hrs (10minute auto off enabled)
Models:	AVO830, AVO835
Quantity/each	1

Included accessories:

- 2 x Silicone 1 kV test leads (Red/Black)
- 1 x Type K Thermocouple (AVO835 only)
- 1 x Calibration certificate
- 2 x AA alkaline cells
- 1 x Quick start guide
- 1 x Warnings advisory sheet

1 year warranty with free upgrade to 3 years on registration of the product

Ordering Information	Order number
Electrical and Industrial testers	
AVO830 – 600V CAT IV DMM	1007-494
AVO835 – 1000V CATIII / 600V CAT IV	1008-221
Included accessories	
Red/Black silicon test leads	1002-001
Thermocouple K type -20degC to +250 degC*	1010-461
Optional accessories	
Replacement lead set unfused (Red/Black)	1002-001
Fused test lead set (1 kV 500mA)	1002-015
Batteries 2 x AA NiMH	1009-214
Magnetic hanging strap	1010-013
PV test lead kit	1002-549

*Model dependent