

Handheld Digital Multimeters

ESCORT-99 / 98

50,000 counts Dual Display TRMS DMM

Features

- High resolution, Dual Display and Analog Bar graph
- Frequency, Duty Cycle, Pulse Width Measurement
- dBm Measurement with Selectable Impedances
- True RMS (AC or AC+DC)
- % scale readout for mA current
- 1ms Peak Hold
- max/avg/min hold mode
- Relative Mode
- K-Type Temperature Measurement
- Audible Continuity
- Backlit Display
- Input Warning
- 51,000 counts, Voltage and current Signal analyse easily
- IEC-1010 CAT. IV 600V/ CAT. III 1000V standards
- Smart Charger design, Built-in Ni-MH rechargeable battery
- SCPI Commands
- Precision True-RMS digital multi-meter
- High Impedance Measurement (50nS/100GΩ)
- J/K Type Thermocouple Measurement (0 °C compensation) (ESCORT-98 only K-type)
- 100kHz (AC+DC) True RMS (ESCORT-99)
- Square Wave Output (ESCORT-99)
- 20MHz Frequency counter (ESCORT-99)



ESCORT-99



ESCORT-98

Ordering Information

Standard Accessories:

- Manual
- Test Leads(TL-36-1)
- Grey Protective Holster with Hanging kit(EH-90G)
- 9V NI-MH rechargeable Battery (ESCORT-99)
- 9V Carbone zinc Battery (ESCORT-98)

Optional Accessories:

- TW-01 SMD Tweezers
- CP-9899 Communication Package
- EA-98/99 External Adapter for charging purpose
- DP-26 K Type Thermocouple Adaptor
- DP-27 K Type Thermocouple Probe
- Ez Cal Auto Calibration software and test leads
- TH-02 Insulation Piercing Clip piercing insulated wires, recommend to use with TL-36
- TL-36 Test Leads, Lantern Type probe, 15A/CAT. III 1000V
- EC-170 Long soft carrying case
- EC-230 Square soft carrying case
- 9V NI-MH rechargeable Battery

Specifications	ESCORT-99	ESCORT-98
Display		
Display update	3.75 times/sec	3.75 times/sec
Display	Dual Display	Dual Display
Display Counts	1st/2nd: 51,000	1st/2nd: 51,000
Analog Bar graph	21 segments	21 segments
Voltage		
DCV Range	5V-1000V	5V-1000V
Basic accuracy	±(0.025%+5d)	±(0.03%+5d)
DCmV Range	50/500/1000mV	50/500/1000mV
Basic accuracy	±(0.025%+5d)	±(0.03%+5d)
ACV Range	5V-1000V	5V-1000V
Basic accuracy	±(0.4%+25d)	±(0.6%+25d)
Bandwidth	20Hz-100kHz	30Hz-30kHz
Impedances	1.1MΩ, <100pF	1.1MΩ, <100pF
ACmV Range	50/500/1000mV	50/500/1000mV
Basic accuracy	±(0.4%+25d)	±(0.6%+25d)
Current		
DCA Range	500μA-10A	500μA-10A
Basic accuracy	±(0.05%+5d)	±(0.1%+5d)
ACA Range	500μA-10A	500μA-10A
Basic accuracy	±(0.7%+20d)	±(0.8%+20d)
Bandwidth	20Hz-100kHz	30Hz-20kHz
Resistance		
Range	500Ω-500MΩ, 50nS	500Ω-500MΩ, 50nS
Basic accuracy	±(0.05%+5d)	±(0.08%+5d)
Capacitance		
Range	10nF-100mF	10nF-100mF
Basic accuracy	±(1%+5d)	±(1%+5d)
Frequency		
Range	100Hz-600kHz	100Hz-600kHz
Resolution	0.001Hz	0.001Hz
Basic accuracy	±(0.02%+3d)	±(0.02%+3d)
Frequency counter	0.5Hz-20MHz	
Pulse width	0.01-1999.9ms	0.01-1999.9ms
Duty Cycle	0.01%-99.99%	0.01%-99.99%
TRUE RMS	AC+DC	AC
Simultaneous mA and % of scale readout	0-20/4-20mA	0-20/4-20mA
Square wave output	Hz, % Selectable	
dB	dBm, dBV	dBm, dBV
Temperature	J/K (0 °C compensation)	K (0 °C compensation)
Diode/Continuity	•	•
Peak Hold	1ms (single)/250μs (repetitive)	1ms (single)/250μs (repetitive)
Dynamic Recording	Auto/Manual	Auto/Manual
Data hold	Data/Refresh	Data/Refresh
Trigger	Manual/BUS Trigger	Manual/BUS Trigger
Relative mode	•	•
Backlit Display	EL	LED
Auto Power Off	•	•
Input Warning	•	•
Data logging	Module optional	Module optional
Smart charger	•	•
Communication	Infrared (SCPI)	Infrared (SCPI)
Safety class	CAT-III 1000V/CAT-IV 600V	CAT-III 1000V/CAT-IV 600V
Dimension(L x W x H)	192 x 90 x 37 mm	192 x 90 x 37 mm
Weight	940g	940g

All specifications are subject to be changed by ESCORT without notice.