



CE ESCORT-3146A



CE ESCORT-3136A



CE ESCORT-3145A

ESCORT

3146A 3145A 3136A

Dual Display Bench DMM

Features

- 5 1/2 Digit Dual Display (4 4/5 Digit for 3136A)
- Vacuum-Fluorescent Display (VFD)
- DCV, ACV, DCA, ACA, Frequency, Diode and Continuity Measurement functions
- True RMS (AC, AC+DC) Voltage, 100kHz Measurement Bandwidth
- Wide Current Measurement Range up to 12A (20A for 3136A)
- 2 Wire / 4 Wire Selectable for Resistance Measurement
- dBm Measurements with Selectable Reference Impedance of 2 Ω to 8000 Ω .
- Relative Calculation
- Dynamic Recording (MIN/MAX) with Time Stamp
- Data Hold / Refresh Hold
- Compare (Hi/Lo/Pass) Function for Quick In-tolerance Tests
- Span or Error Percentage Display (3136A Only)
- Trigger Measurement (3136A Only)
- Fast Electronic and Closed-Case Calibration
- Window-based Control and Data Logger Software (Option)
- RS-232 Interface
- GPIB Interface (Option)

General Specification

Specifications	ESCORT-3146A	ESCORT-3145A	ESCORT-3136A
Display Digits	5 1/2 Digit Dual Display	5 1/2 Digit Dual Display	4 4/5 Digit Dual Display
Display Counts	120,000	120,000	50,000
Display Type	Vacuum-Fluorescent	Vacuum-Fluorescent	Vacuum-Fluorescent
DCV			
Range	120mV-1000V	120mV-1000V	500mV-1200V
Basic Accuracy	0.012%rdg+5dpts	0.02%rdg+5dpts	0.02%rdg+4dpts
Resolution	1µV-10mV	1µV-10mV	10µV-100mV
ACV			
Range	120mV-750V	120mV-750V	500mV-1000V
Basic Accuracy	0.2%rdg+100dpts	1.5%rdg+200dpts	0.35%rdg+15dpts
Resolution	1µV-10mV	1µV-10mV	10µV-100mV
Bandwidth	20Hz-100kHz	40Hz-30kHz	30Hz-100kHz
DCA			
Range	12mA/120mA/1.2A/12A	12mA/120mA/12A	500µA-20A
Basic Accuracy	0.05%rdg+5dpts	0.1%rdg+8dpts	0.05%rdg+4dpts
Resolution	0.1µA-100µA	0.1µA-100µA	10nA-1mA
ACA			
Range	12mA/120mA/1.2A/12A	12mA/120mA/12A	500µA-20A
Basic Accuracy	0.5%rdg+100dpts	1.5%rdg+200dpts	0.5%rdg+20dpts
Resolution	0.1µA-100µA	0.1µA-100µA	10nA-1mA
Bandwidth	20Hz-10kHz	40Hz-5kHz	30Hz-20kHz
dBm			
Basic Accuracy	0.1dBm	0.6dBm	0.2dBm
Resolution	0.1dBm	0.1dBm	0.1dBm
Resistance			
Range	120Ω-300MΩ	120Ω-300MΩ	500Ω-50MΩ
Basic Accuracy	0.05%rdg+2dpts	0.1%rdg+5dpts	0.1%rdg+3dpts
Resolution	1mΩ-10kΩ	1mΩ-10kΩ	10mΩ-1kΩ
Frequency			
Range	1200Hz-1MHz	1200Hz-1MHz	500Hz-500kHz
Basic accuracy	0.005%rdg+2dpts	0.005%rdg+2dpts	0.01%rdg+3dpts
Resolution	0.01Hz-10Hz	0.01Hz-10Hz	0.01Hz-10Hz
4 Wire Resistance Measurement Mode	•	•	•
Diode	•	•	•
Continuity	•	•	•
DCV Measurement Rate (times/sec)	Slow:2 Medium:5 Fast:20	Slow:2 Medium:5 Fast:20	2
True RMS	AC or AC+DC	AC or AC+DC	AC or AC+DC
Arithmetic Function			
Relative Calculation	•	•	•
Dynamic Recording	•	•	• (with Time Stamp)
Compare	•	•	•
Data Hold	•	•	•
Refresh Hold	•	•	•
Trigger	•	•	•
Spoin (%)	•	•	•
Error (%)	•	•	•
RS-232	Standard	Standard	Standard
GPIB	Optional	Optional	Optional
Size(LxWxH)	265x110x330mm	265x110x330mm	265x110x330mm
Weight	3kg Approx	3kg Approx	3kg Approx
Power	100V/120V/220V/240Vac ±10%, 50/60Hz	100V/120V/220V/240Vac ±10%, 50/60Hz	100V/120V/220V/240Vac ±10%, 50/60Hz



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Ordering Information

ESCORT-3146A 5 1/2 Digit Dual Display Bench DMM
ESCORT-3146A/G DMM with Installed GPIB
ESCORT-3145A 5 1/2 Digit Dual Display Bench DMM
ESCORT-3136A 50000 Count Dual Display Bench DMM
ESCORT-3136A/G DMM with Installed GPIB

Accessories Included:

User Manual, Test Leads

Optional Accessories:

- TL-35 Long Tip Test Leads
- TL-36 Lantern Tip Test Leads (AC-01 included)
- AC-01 Cap for TL-36
- AC-02 Lantern Tip Extension Probe for TL-35 (AC-01 included)
- AC-03 Alligator Clips
- KC-01 4 Wire Test Cable Set with Kelvin Clippers
- TH-02 Insulation Piercing Clip
- RS-01 RS-232 Cable
- RK-01 Rack Mount Kit for Single Meter
- GP-08 GPIB Interface Kit
- CP-08 PC Link Software for ESCORT-3146A/3145A
- CP-10 PC Link Software for ESCORT-3136A

Distributor: