

## Digital Multimeters

### ESCORT - 179 / 178 / 176 / 172 / 170

#### Features

Digital display , Analog bar segments  
 ESCORT-179/178/176: 41 segments,  
 ESCORT-172/170: 35 segments  
 DCV, ACV, DCA, ACA, Resistance  
 Capacitance (ESCORT-179/178)  
 Frequency (ESCORT-179/172)  
 Diode, Audible Continuity  
 Data hold  
 Auto ranging  
 Auto power off  
 Low battery indicator

#### Escort-179/178/176 Only

Dynamic Recording (MAX/ MIN/ AVG) (ESCORT-179/178)  
 Temperature measurement (ESCORT-179)  
 Relative mode (ESCORT-179/178)  
 Harmonic ratio (ESCORT-179)  
 RS-232 (optional) (ESCORT-179/178/176)  
 % of 4-20mA display (ESCORT-179/178)  
 TRUE RMS in ACV & ACA (ESCORT-179)

#### Ordering Information

##### Standard Accessories:

Manual  
 Battery  
 Test Leads  
 Protective Holster (ESCORT-179/178/176)

##### Optional Accessories:

CP-05 RS-232 Package (ESCORT-179/178/176)  
 DP-26 K Type Thermocouple Adaptor (ESCORT-179)  
 DP-27 K Type Thermocouple Probe (ESCORT-179)  
 EC-170 Soft Carrying Case  
 EH-170G Grey Holster (ESCORT-172/170)



Specifications	ESCORT-179	ESCORT-178	ESCORT-176	ESCORT-172	ESCORT-170
<b>Measuring Rate</b>	3.3 times/sec	3.3 times/sec	1.3 times/Sec	1.3 times/sec	1.3 times/sec
<b>DCV</b>	999.9mV~1000V	999.9mV~1000V	400mV~1000V	340mV~600V	340mV~600V
Basic accuracy	±(0.1%rdg+2dgt)	±(0.5%rdg+2dgt)	±(0.6%rdg+2dgt)	±(0.8%rdg+3dgt)	±(1.0%rdg+3dgt)
Resolution	0.1mV	0.1mV	0.1mV	0.1mV	0.1mV
<b>ACV</b>	999.9mV~1000V	999.9mV~1000V	400mV~1000V	3.4V~600V	3.4V~600V
Basic accuracy	±(1.1%rdg+5dgt)	±(1.2%rdg+5dgt)	±(2%rdg+2dgt)	±(1.2%rdg+3dgt)	±(1.4%rdg+3dgt)
Resolution	0.1mV	0.1mV	0.1mV	0.001V	0.001V
Bandwidth	40~2kHz	40~500Hz	40~500Hz	50~1kHz	50~400Hz
<b>AC measurement</b>	TRUE RMS	AVG	AVG	AVG	AVG
<b>DCA</b>	400μA~400mA, 4A, 10A	400μA~400mA, 4A, 10A	400μA~400mA, 4A, 10A	340μA~340mA, 10A	340μA~340mA, 10A
Basic accuracy	±(0.1%rdg+3dgt)	±(0.2%rdg+3dgt)	±(1.5%rdg+2dgt)	±(1.0%rdg+3dgt)	±(1.2%rdg+3dgt)
Resolution	0.1μA	0.1μA	0.1μA	0.1μA	0.1μA
<b>ACA</b>	400μA~400mA, 4A, 10A	400μA~400mA, 4A, 10A	400μA~400mA, 4A, 10A	340μA~340mA, 10A	340μA~340mA, 10A
Basic accuracy	±(1%rdg+5dgt)	±(1.2%rdg+5dgt)	±(1.2%rdg+2dgt)	±(1.5%rdg+6dgt)	±(1.5%rdg+6dgt)
Resolution	0.1μA	0.1μA	0.1μA	0.1μA	0.1μA
Fuse	0.5A/600V, 10A/600V	0.5A/600V, 10A/600V	0.5A/600V, 10A/600V	0.5A/600V, 10A/600V	0.5A/600V, 10A/600V
<b>Resistance</b>	400Ω~40MΩ	400Ω~40MΩ	400Ω~40MΩ	340Ω~34MΩ	340Ω~34MΩ
Basic accuracy	±(0.5%rdg+3dgt)	±(0.6%rdg+3dgt)	±(0.6%rdg+3dgt)	±(1.2%rdg+3dgt)	±(1.2%rdg+3dgt)
Resolution	0.1Ω	0.1Ω	0.1Ω	0.1Ω	0.1Ω
<b>Capacitance</b>	4,40,400,9999μF	4,40,400,9999μF			
<b>Temperature</b>	T1, T2, ΔT (K1 type)				
<b>Frequency counter</b>	9,999Hz~50kHz			3.4kHz~34MHz	
<b>Resolution</b>	0.001Hz			0.001kHz	
<b>Recording</b>	MAX,MIN,MAX-MIN,AVG	MAX,MIN,MAX-MIN,AVG			
<b>Power</b>	9V NEDA 1604	9V NEDA 1604	9V NEDA 1604	9V NEDA 1604	9V NEDA 1604
<b>Safety class</b>	IEC-1010-1 600V CAT.III 1000V CAT.II	IEC-1010-1 600V CAT.III 1000V CAT.II	IEC-1010-1 600V CAT.III 1000V CAT.II	IEC-1010-1 600V CAT.III 1000V CAT.II	IEC-1010-1 600V CAT.III 1000V CAT.II
<b>Dimensions (L x W x H)</b>	178 x 83 x 58mm	178 x 83 x 58mm	178 x 83 x 58mm	167 x 77 x 36mm	167 x 77 x 36mm
<b>Weight</b>	0.4kgs	0.4kgs	0.4kgs	0.3kgs	0.3kgs

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