

Comparison Chart



	30XR	33XR	34XR	37XR	38XR
Description	Multimeter with Non-Contact Voltage Detector	Field Service Multimeter, Manual Ranging	Field Service Multimeter, True RMS	Precision True RMS Multimeter Electronics	True RMS Industrial Multimeter
Warranty	1 Year	1 Year	3 Years	3 Years	3 Years
Measurement					
Voltage DC	600 V	1000 V	1000 V	1000 V	1000 V
Voltage AC	600 V Avg.	750 V Average	750 TRMS AC	750 TRMS AC	750 TRMS AC + DC
mV DC	•	•	•	•	•
mV AC	Average	Average	TRMS	TRMS	TRMS AC + DC
Basic DC Accuracy	1.0 %	0.7 %	0.5 %	0.1 %	0.25 %
DC Current, fused	10 A	10 A	10 A	10 A	10 A
AC Current, fused	10 A	10 A	10A TRMS	10A TRMS	10A TRMS
Resistance	20 MΩ	4 MΩ	40 MΩ	40 MΩ	40 MΩ
Continuity Beeper	•	•	•	•	•
Diode	•	•	•	•	•
Capacitance		4000 μF	4000 μF	400 μF	400 μF
Frequency		40 MHz	40 MHz	10 MHz	10 MHz
Temperature		1832 °F/1000 °C	1832 °F/1000 °C		2372 °F/1300 °C
Logic Test				TTL/CMOS 20MHz	
Inductance				40H	
Duty Cycle			•	•	•
Non-Contact Voltage Detect	•				
Battery Test	1.5 V, 9 V				
Features					
Counts	2,000	4,000	4,000	10,000	10,000
Auto Range w/Range Lock	Manual	Manual	•	•	•
Auto Power Off		•	•	•	•
Analog Bar Graph		•	•	•	•
BackLight			•	•	•
Min/Max	•	•	•	•	•
Average				•	•
Relative		•		•	•
Data Hold	•	•	•	•	•
Peak Hold		•		•	•
4-20 mA %					•
Optical RS-232					•
dBm				•	•
Low Battery Indicator	•	•	•	•	•
Battery and Fuse Door	•	•	•	•	•
Agency Approvals					
IEC 1010 CAT II	600 V	1000 V	1000 V	1000 V	
IEC 1010 CAT III	300 V	600 V	600 V	600 V	1000 V
IEC 1010 CAT IV					600 V
UL, cULus (or CSA)	•	•	•	•	•
Package Contents					
Magne-Grip™ Holster	•	•	•	•	•
Thermocouple + Temp Adapter		•	•		•
Test leads	TL36	TL36	TL36	TL36	TL36
Threaded Alligator Clips		•	•	•	•
Software & Interface Cable					Optional
Battery (9 V installed)	•	•	•	•	•

Optional Accessories

Model number	Description
VC221A	Padded soft case with pocket
DC207B	Deluxe heavy-duty hard case
HV231-10	High voltage probe
DL243C	Standard test lead kit with case
DL248C	Deluxe test lead kit with case
TC253A	Adds thermometer function to 30XR and 37XR (33XR, 34XR and 38XR all have built-in thermometer function and come with a Type K bead thermocouple)
TP254	High temperature immersion probe

Replacement Fuses

Model number	FP100	FP160	FP300	FP375	FP500
Current/Volt Raging	10 A/1000 V	10 A/600 V	.315 A/1000 V	.254 A/500 V	.5 A/1000 V
Type of Fuse	Ceramic	Ceramic	Ceramic	Ceramic	Ceramic
Size (mm)	6.4 x 25.4	6.4 x 25.4	6.4 x 32	6.4 x 32	6.4 x 32
30XR		•		•	
33XR/34XR	•		•		
37XR/38XR	•				•