

Multimeter Accessories*

Radio Frequency Probe

RF241

Frequency Range: 100kHz to 650MHz. This RF probe is designed to operate with 10 or 22MΩ input digital multimeters, extending the frequency sensitivity of a standard multimeter up to 650MHz. Accuracy is ±1dB from 100kHz to 250MHz and ±3dB from 250MHz to 650MHz. Maximum input 50 volts RMS.



High Voltage Probes

HV-231-10 (for multimeters with 10MΩ input impedance)

HV-231-22 (for multimeters with 22MΩ)

Both probes standard multimeters to measure up to 40kVDC or peak AC to 100 Hz.

Accuracy: DC: ±1% (1kV-20kV)
±2% (20kV-40kV)
AC: ±5% (@50/60Hz)



AC Current Clamps

CT231

A 1000/1 current transformer allows direct reading in amps when used with the 200mA AC current range of a multimeter.



CT232

Large jaw clamp measures up to 1000 amps AC and to 1kHz using 1000 to 1 transformer. Built-in operator protection diode is a standard feature.



CT234A

Medium jaw clamp measures up to 400A AC and to 1kHz using 1000 to 1 transformer. Jaw fits bus bars up to 63mm (2 in.) wide.

CT236

Medium jaw clamp measures up to 500A AC using a 100:1 transformer. Uses voltage ranges of multimeter.



AC/DC Current Probes

CT235, CT237, & CT238

The new line of Wavetek AC/DC current probes are safety designed to measure current non-invasively from 5mA to 1000A peak with accuracies of 1%. Providing a scaled voltage output, they may be used with a variety of measurement instruments: analog or digital multimeters, dataloggers, chart recorders or power analysis instruments.

These probes offer twice the accuracy, a wider AC bandwidth, and are safety approved to international IEC standards. The broad AC bandwidth and 1% accuracy enables the precise measurements of complex waveforms distorted by harmonics or power line anomalies. Fast and accurate analysis is thus possible. Sophisticated Hall Effect technology provides for accurate current measurements, and the zero adjust feature allows the cancellation of residual magnetic fields so DC accuracy is unaffected.



*For meter compatibility see reference guide on page 36.

Current Clamp & AC/ DC Current Probe Specifications

MODEL	AC				AC/DC			
	CT231	CT232	CT234A	CT236	CT235	CT237	CT238	
Division Ratio	1000 to 1	1000 to 1	1000 to 1	100 to 1	1000 to 1	100 to 1/1000 to 1	10 to 1	
Output	mA	mA	mA	mV	mV	mV	mV	
Current Range	2 to 150A	1 to 1000A	4 to 400A	10 to 500A	2 to 1000A	0.5 to 200A	10mA to 20A	
AC Accuracy (10Ω Max. Meter Imped.)	±3.0%rdg ±0.15A	±1.0%rdg ±0.1A	±3.5%rdg ±0.4A	±3.5%rdg ±0.4A	f ≤ 10kHz, ±1%rdg + 0.5A	20A: f ≤ 5kHz, ±1%rdg + 0.03A 5kHz ≤ f ≤ 10kHz, ±2%rdg + 0.03A 200A: f ≤ 2kHz, ±1%rdg + 0.3A 2kHz ≤ f ≤ 5kHz, ±2%rdg + 0.3A 5kHz ≤ f ≤ 10kHz, ±2%rdg + 0.3A	f ≤ 400Hz, ±1%rdg + 2mA 400Hz < f < 20kHz, ±3%rdg + 2mA	
DC Accuracy (10Ω Max. Meter Impedance)					±1%rdg + 0.5A	20A: ±1%rdg + 0.03A 200A: ±1%rdg + 0.3A	±1%rdg + 2mA	
Frequency Range	40 to 500Hz	40Hz to 10kHz	40Hz to 1kHz	40Hz to 1kHz	DC to 10kHz	DC to 10kHz	DC to 20kHz	
Max Operating Voltage	660VRMS	660VRMS	660VRMS	660VRMS				
Conductor Size								
Diameter or Width	11.4mm (0.45")	54mm (2.125") 63.5mm (2.5")	34.9mm (1.4") 63.5mm (2.5")	34.9mm (1.4")	31mm (1.22")	19mm (0.748")	19mm (0.748")	
Dimensions								
Clamp	(mm) (in)	22 x 35 x 115 (0.87 x 1.4 x 4.5)	39 x 104 x 205 (1.54 x 4.1 x 8)	22 x 35 x 115 (1.35 x 2.36 x 7.7)	22 x 35 x 115 (1.35 x 2.36 x 7.7)	31 x 71 x 183 (1.22 x 2.99 x 7.2)	31 x 71 x 183 (1.22 x 2.8 x 7.2)	31 x 71 x 196 (1.22 x 2.8 x 7.7)
Leads	Length	14.2cm (36")	14.2cm (36")	23.2cm (59")	23.2cm (59")	1.5m (4.8)	1.5m (4.8)	1.5m (4.8)
	Diameter	0.9mm (0.4")	0.9mm (0.4")	1.5mm (0.6")	1.5mm (0.6")			