

Model QC-432

Welding Monitor



The Model QC-432 welding monitor will monitor peak voltages across the interface of a resistance weld or peak current through the weld. The QC-432 will also display root mean square (rms) currents and the number of ac cycles with a digital liquid crystal output. Upper and lower limits of optimum welding current or voltage can be preset with digital thumbwheel switches.

- Simultaneous digital display shows both weld current or voltage and number of ac cycles.
- Continuously monitors in-process welding with high-low tolerance settings and visual indication of out-of-tolerance welds.

SPECIFICATIONS • Model QC-432

Input power	115 Vac, 2.3 W, 50/60 Hz
Detection method	
Weld current	Toroidal coil
Weld voltage	Clips at electrode
Measurement ranges	
Electrode voltage, peak value	1-9.99 V
Weld current	1.0-99.9 kA rms or peak
Optional low current coil	100-990 A (MA-14-07)
AC cycles	1-99
Resolution	±3%
Display mode	Liquid crystal
Display duration	3-2.5 sec
Detection time	1/2-1-99 cycles
Environment	0°C to 40°C
Dimensions (H × W × D)	8.2 × 5.3 × 9.75 in (208 × 135 × 248 mm)
Weight	7.9 lb (4 kg)

Model QC-434

Welding Monitor



The Model QC-434 is a 3-channel welding current monitor using a 16-bit microprocessor to measure rms and peak welding currents and peak welding voltage. Capable of monitoring ac or dc (stored energy) welding current and voltage, the QC-434 displays and prints out data for record keeping.

In addition to displaying monitored values, the QC-434 has an audible alarm to indicate welds that fall out of predetermined tolerances.

SPECIFICATIONS • Model QC-434

Input power	115 V, 50-60 Hz
Detection method	
Weld current	Toroidal coil
Weld voltage	Clips at electrode
Measurement ranges	
Peak current	500 A-9990 A, 5000 A-99900 A
RMS current	360 A-7000 A, 3600 A-70000 A
Peak voltage	0.01 V to 9.99 V (.01 V increments)
Duration-AC	1-99 cycles
DC	1-99 ms
Resolution	±3%
Display mode	LED
Dimensions (H × W × D)	9.6 × 6.3 × 15.4 in (244 × 160 × 391 mm)
Weight	15 lb (7 kg)