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## i430 Flex Current Clamp

### General Specifications

Probe and Cable Material	TPE rubber, reinforced insulation UL94 V-0, Colour: RED Munsell 7.5 R 1/14
Couplings Material	Polypropylene, UL94 V-0
Probe Cable Length	610 mm
Probe Cable Diameter	12.4 mm
Probe Cable Bend Radius	40 mm
Output cable length	2.5 meters RG58
Output Connector	Safety BNC Connector
Operating Range	-20 to +90°C
Storage Temperature	-40 to +105°C
Operating Humidity	15% to 85% (non condensing)
Degree of protection (Probe)	IP41

### Specifications

Current Range	3000 A AC RMS
Voltage output (@1000 ARMS, 50 Hz)	85 mV
Accuracy	± 1% of reading (@ 25°C, 50 Hz)
Linearity (10% to 100% of range)	± 0.2% of reading
Noise (10 Hz – 7 kHz)	1.0 mV ACRMS
Output impedance	82 Ω min
Load Impedance	50 kΩ
Internal Resistance per 100 mm probe length	10.5Ω ± 5%
Bandwidth (-3dB)	10 Hz to 7 kHz
Phase Error (45 – 65 Hz)	±1°
Position Sensitivity	± 2% of reading max.
Temperature Coefficient	± 0.08% max of reading per °C
Working Voltage (see Safety Standards section)	1000 V AC RMS or DC (head) 30 V max. (output)

### Safety Specifications

<b>Safety Standards</b>	<b>BS EN 61010-1 2001</b> <b>BS EN 61010-2-032 2002</b> <b>BS EN 61010-031 2002, 1000 VRMS, Category III, Pollution Degree 2</b> <b>Use of the probe on uninsulated conductors is limited to 1000 V ACRMS or DC and frequencies below 1 kHz.</b> <b>Please note that this probe is designed to work with Fluke 435, if used with other products</b> <b>safety rating for the output to earth is limited to 600V ACRMS or DC.</b>
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