

TECHNICAL DATA

## 5500A/COIL | 50-Turn Current Coil



### Product overview: 5500A/COIL | 50-Turn Current Coil

Supports the calibration of clamp-type current meters<

The 50 Turn 5500A/COIL is used as a tool for calibrating clamp type current meters that operate by two different principles -- as current transformers (AC only), and by the Hall Effect (Both AC and DC). It is impractical to calibrate 1000A rated current clamp meters using a 1000A source. However, by using the 50 turns of the 5500A/COIL in conjunction with a current calibrator you can effectively multiply the current of the current calibrator by a factor of 50 to support the calibration and verification of these clamp-on current meters.

### Specifications: 5500A/COIL | 50-Turn Current Coil

General Specifications	
Number of Tus	50
Maximum Current	11A rms, continuous 20A rms, 2 minutes
Maximum Duty Cycle Derating	< 11A, continuous > 11A, 2 minutes ON, 8 minutes OFF

Maximum Voltage	3V rms	
Frequency of Operation	<b>DC, 45-440 Hz</b>	<b>(should not exceed rms Voltage rating)</b>
	For the 5500A Current Output:	DC, 45-65 Hz, 0-11A
		65-440 Hz, 0-2.19999A
	For the 5520A Current Output:	DC, 45-65 Hz, 0-20A
65-440 Hz, 0-2.99999A This specification assumes that a Fluke 80i-600 Clamp Meter or equivalent is attached. Other clamp meters may limit the 5500A/5520A Current Output drive capability to less than the above.		
Uncertainty Due to Clamp Meter/Coil Interaction	<b><math>\pm</math> (0.25% of effective output + 0.5A), for toroidal-wound current clamps, such as the Fluke 80I and 80I-1000.</b> $\pm$ (0.50% of effective output + 0.5A), for current clamps like the Fluke 80i-kw, 80i-400, 80i-410, 80i-500, 80i-1010, Fluke 31, Fluke 33, or equivalent.	
Calibration Documentation	Statement of calibration practices included; With 17025 accredited report	
Minimum Inside Diameter of Clamp Jaws	2.54 cm (1 in.)	

## Ordering information



### **5500A/COIL**

50-Turn Current Coil

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**Fluke (UK) Ltd.**  
52 Hurricane Way  
Norwich, Norfolk  
NR6 6JB  
United Kingdom  
Tel.: +44 (0)20 7942 0708  
E-mail: [cs.uk@fluke.com](mailto:cs.uk@fluke.com)  
[www.fluke.com/en-gb](http://www.fluke.com/en-gb)

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