

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	DC, 45-440 Hz	(should not exceed rms Voltage rating)
	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	$\pm (0.25\% \text{ of effective output} + 0.5A)$, for toroidal-wound current clamps, such as the Fluke 80I and 80I-1000. $\pm (0.50\% \text{ of effective output} + 0.5A)$, 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

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