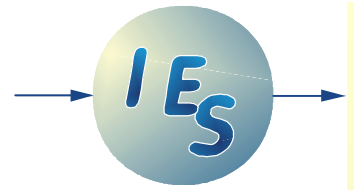


IES 1106

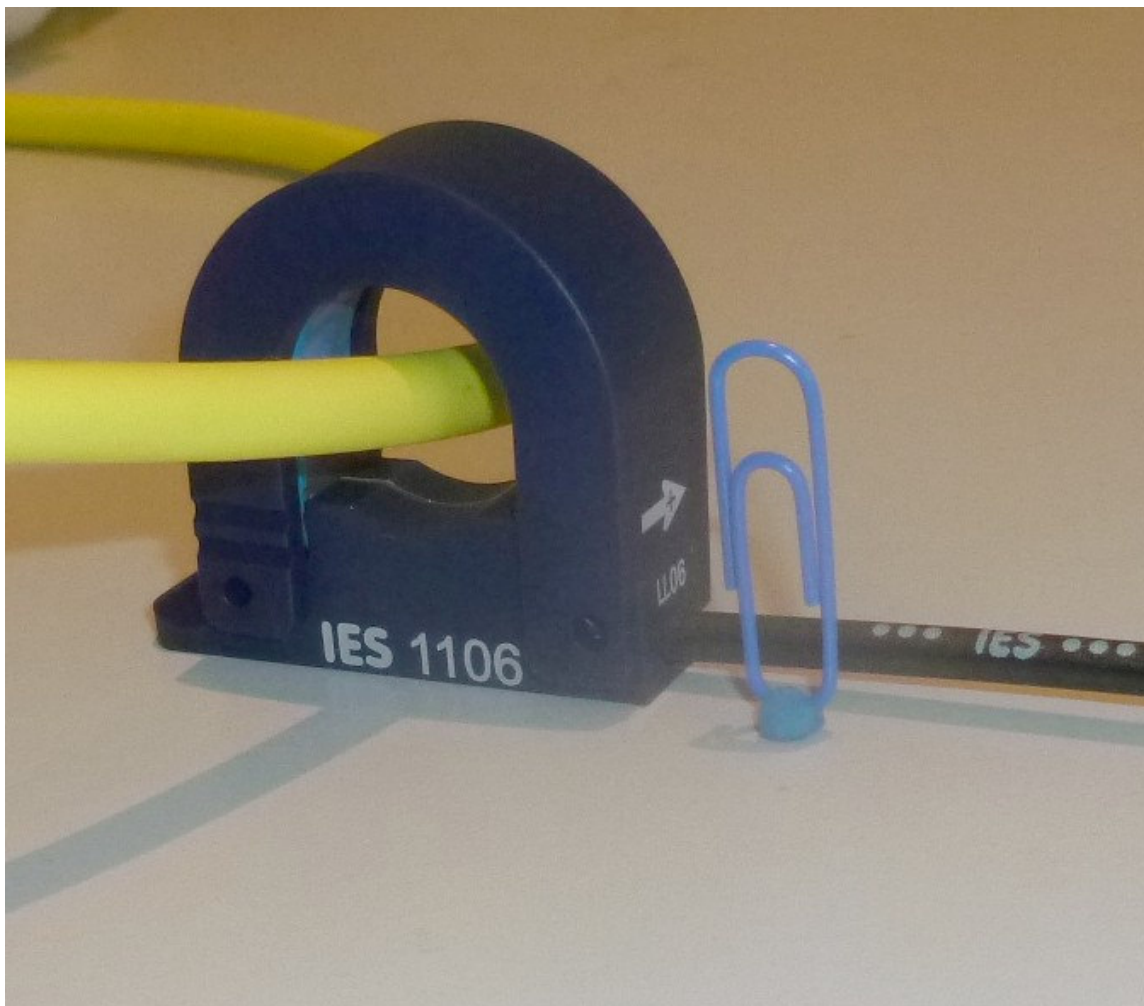
Miniature Current Clamp



PRELIMINARY SHORTFORM DATA

Small current detection clamp with a hinged cap for the galvanical isolated detection of DC and pulsed currents with standard data acquisition systems. Mainly intended for the detection of short circuit or other abnormal currents in automotive safety tests and hybrid vehicle testing.

- ☺ **Very small size 35 x 35 x 16 mm³**
- ☺ **Low mass 28 grams**
- ☺ **Usable with standard DAS, only 18 mA supply current**
- ☺ **Shunt-Test supported**



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Specifications

Metrics	
Dimensions	35 x 35 x 16 mm ³ (plus handle 8 mm)
Weight	28 gr. plus cable
Cable	6 m long, black PUR
Hole diameter	19 mm

Environment	
Temperature range	0...70 °C
Acceleration	shock proof, can be used in crash tests

Electrical Interface		
Power supply	10V, 18 mA	
Output resistance	2,5 kOhms	
Output signal range	differential voltage +/- 2000 mV positive output for positive current flow as indicated on cap, negative output signal for opposite current direction	
Zero output signal	Max. 20 mV	
Cable colours		
	+ Supply	red
	- Supply or GND	black
	+ Signal output	white
	- Signal output	green
	Shunt input	yellow
	Cable screen	Not connected to case.

Measurement Performance	
Measurement range	+/- 600 A (overload allowed, useful signal up to 1000 A)
Noise	1 mVrms
Time delay	<50 µs
Typ. Sensitivity	3.6 mV/A
Zero uncertainty	Typ. <1 A

Ordering information: IES 1106