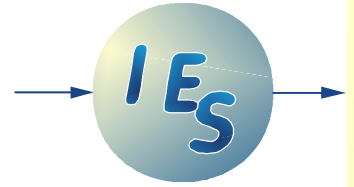


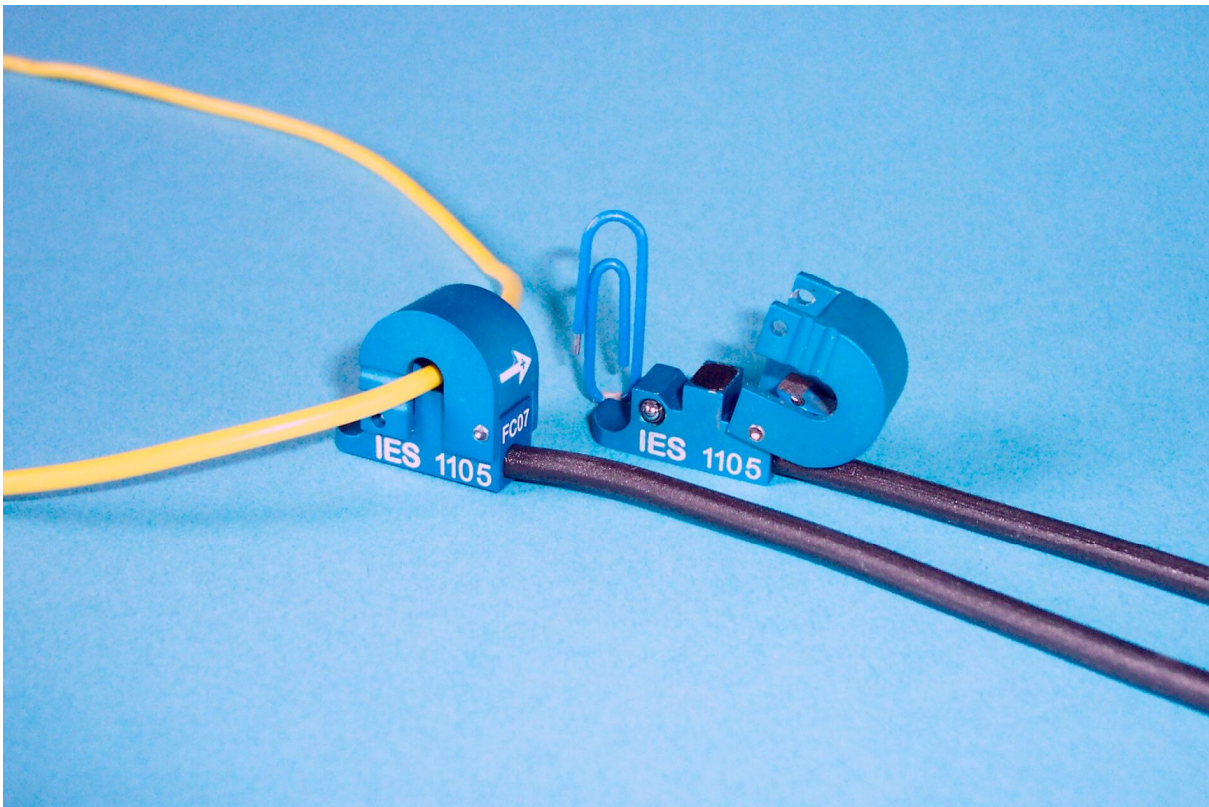
IES 1105 Miniature Current Clamp



SHORTFORM DATA

Very 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 trigger events of restraint components and the switching of other electrical components such as fuel pumps and door locks in automotive safety tests.

- ☺ **Very small size 21 x 18 x 12 mm³**
- ☺ **Low mass 12 grams**
- ☺ **Usable with standard DAS, only 18 mA supply current**
- ☺ **Shunt-Test supported**



Specifications

Metrics	
Dimensions	21 x 18 x 12 mm ³ (plus handle 6 mm)
Weight	12 gr. plus cable
Cable	6 m long, black PUR
Hole diameter	5 mm

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

Electrical Interface		
Power supply	10V, 18 mA (5 V and 3V3 on request)	
Output resistance	2,5 kOhms	
Output signal range	differential voltage +/- 500 mV positive output for positive current flow as indicated on cap, negative output signal for opposite current direction	
Zero output signal	Typ. <5 mV, 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	+/- 15 A (overload allowed)
Noise	1 mVrms
Time delay	<20 µs
Sensitivity	typ. 20 mV/A
Nonlinearity	max. 0,5% FS (for FS 15 A)
Nonlinearity	max. 1% FS (for FS 60 A)
Zero uncertainty	max. 0,07 A

Ordering information: IES 1105

Information is provided without warranty and is subject to change without notice. We reserve the right to make changes whenever necessary to improve to the product.

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