




# HT4005N

Rel. 1.00 of 09/01/09

## Transducer clamp 5-100A/1V AC

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### SPECIFICATIONS

Selectable ranges:	5A / 100A AC
Measuring range:	0.005 ÷ 5A / 0.1 ÷ 100A AC
Output signal:	1V AC
Protection:	By diodes
Ratio:	200mV/A (5A) – 10mV/A (100A)
Accuracy:	see table
Max error:	1.5% (of reading)
Influence of frequency:	<0.7%rdg (40Hz ÷ 1kHz) ; <2%rdg (1kHz ÷ 3kHz)
External min load:	1MΩ
Power measurement:	Take care to keep the conventional direction of the arrow
Frequency range:	48Hz ÷ 65Hz (fundamental frequency)
Pollution degree:	2 according to IEC/EN61010-1
Influence of cable position:	<0.5%rdg (@ 50/60Hz)
Temperature range:	-10 ÷ +55 °C / 14 ÷ 131 °F
Category of measurement:	CAT III 600V – CAT IV 300V
Max cable diameter:	20mm / 0.8 ”
Max bus bars:	20x5 mm / 0.8x0.2 ”
Dimensions (LxWxH):	139x51x30 mm / 5x2x1 ”
Weight:	180g / 0.4lb
Output connection:	Cable 2m with Hypertac connector 

### ACCURACY

5A FS	0 ÷ 5mA	5mA ÷ 50mA	50mA ÷ 0.5A	0.5A ÷ 5A
Output signal accuracy	±1.5%rdg		±1%rdg	
Phase shift	6.5 degrees	5 degrees	4.5 degrees	4 degrees

100A FS	0 ÷ 0.1A	0.1A ÷ 1A	1A ÷ 10A	10A ÷ 100A
Output signal accuracy	±1%rdg			
Phase shift	3.2 degrees	2.2 degrees		

