



HP30C3

Rel. 1.02 of 13/09/10

AC transducer clamp 3000A/1V

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SPECIFICATIONS

Primary rated current:	3000A
Measuring range:	1A ÷ 3000A AC
Output signal:	1V AC
Protection:	By diodes
Ratio:	0.33mV/A
Accuracy:	see table
External min load:	1k Ω
Power measurement:	Keep the conventional direction P1 $\Rightarrow$ P2 rear of the arrows.
Frequency range:	40Hz to 5kHz
Pollution degree:	2 according to IEC/EN61010-1
Dielectric strength:	5,5 KV 50 Hz 1 min
Temperature range:	-10 ÷ +50 °C
Overvoltage category:	CAT III 600V
Max diameter cable:	70mm
Max size bars:	100x46mm or 126x35mm mm
Dimensions (mm):	133 x 336 x 52 mm
Weight:	1.7kg
Output connection:	Cable 2m with Hypertac connector



ACCURACY

3000A FS	10A	100A	1000A	3000A
Accuracy in % rdg of output signal	$\pm(1\%rdg + 2mV)$	$\pm(1\%rdg + 0.5mV)$	$\pm(1\%rdg)$	$\pm(0.5\%rdg)$
Phase difference	1degree	1degree	40min	20min