

# Clamp on Current Transformers – AC & DC



## P40 3C 4000A / 2V

AC & DC sensing current transformer designed for use with the PPA range Precision Power Analyzers

### ELECTRICAL DATA

Primary current rating	: 2000A or 4000A AC or DC
Hall effect	: Yes – 2 ranges
Measuring range	: 20A to 2000 or 4000A
Frequency range	: From DC up to 1000 Hz
Output signal	: 1A = 1mV and 1A = 0.5mV
Ratio	: 1000 / 1 and 2000 / 1
Accuracy	

Accuracy specification refers to 50Hz~400Hz sinusoidal waveform	
20A~100A	2%
100A~200A	1.5%
200~500A	1.5%
500~1000A	1%
1000~1400	1%
1400~2000A	1%

Phase difference at 1000 Hz	: $\pm 1$ degree
Switch	: 1 – On – Off – Test Battery
External mini load	: 10 K $\Omega$
Power measurement	: Take care to keep the conventional direction P1 = S1 rear of the arrows.
Adjustment on zero	: Yes, near the LED
Protection class	: 600V Cat III according to IEC 1010-1
Dielectric strength	: 5.5 KV 50 Hz 1 min
Temperature range	: 0° to + 50° C
“Opening” cable	: Diameter 83 mm
For bus bars	: 122 x 54 mm or 100 x 64 mm
Dimensions (mm)	: 137 x 336 x 42 mm
Weight	: 2 Kg
Output connection	: 2 m cable with insulated BNC
Colour	: Red
Power	: Battery 9V, 75 Hours, Low Battery Indicator
Designed in accordance with IEC 1010 – 1	



**SAFETY WARNING:** This note must be read in full. Any operations on live conductors can be dangerous. The operator is expected to be fully aware of all necessary electrical safety regulations and procedures. Safe operation is his responsibility. It is up to the user to ensure that the equipment is at all times in its original safe conditions.