



# Clamp On Current Transformers – AC & DC



## **SC 2C 100A / 1V**

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

### ELECTRICAL DATA

Primary current rating	: 100A AC or DC
Hall effect	: Yes
Measuring range	: 1A to 120A
Frequency range	: From DC up to 5000 Hz
Output signal	: 1A = 10mV
Ratio	: 100 / 1
Accuracy	: $2\% \pm 5\text{mV}$ (2-10A), 2%(10-20A), 1%(20-100A)
Phase difference at 500 Hz	: 1 degree
Switch	: On – Off
Load Impedance	: $\geq 1\text{M Ohms}$ and $\leq 100\text{ pF}$
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
Overload Capacity	: 5000A
Temperature range	: $0^\circ$ to $+ 50^\circ$ C
“Opening” cable	: Diameter 50 mm
Weight	: 600 g
Output connection	: 2 m cable with insulated BNC
Colour	: Black
Power	: Battery 9V or 9-12V regulated power supply

Designed in accordance with IEC61010 – 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, taking responsibility for safe operation. Users must ensure that the equipment is at all times in its original safe conditions.

