

AC/DC Current Probe Model Hall sense 600

111.7099

- ▶ Current probe based on Hall Effect technology for use in measurement of AC, DC and complex waveform currents
- ▶ Two ranges 60A/600A, switchable
- ▶ Band width from DC to 20 kHz
- ▶ Power supply included



1. Use

This device is used for the measurement of AC and DC current with PQ-Box.

The PQ-Box is preset at a measurement range of 10mV/A (60 A switch). The current transformer factor needs to be set at the value "10" for usage of the measurement range 600A (1mV/A).

Caution:

Adapter cable set (111.7004) is needed for connection with PQ-Box.

2. Structure

The current probe can be supplied by the provided 230 V power supply. PQ-Box is connected via the optional adapter cable set (111.7004).

3. Electrical Characteristics

Nominal Current I_N	:	600 A DC or AC _{peak}
Measuring Ranges	:	60 / 600 A
Output signal	:	10 / 1 mV/A
Overload capacity	:	1200 A (60s)
Load Impedance	:	10 k Ω
Accuracy	:	< 1 % from 50 / 100 mA
Phase Shift (< 1 kHz)	:	< 2°
Frequency range	:	DC to 20 kHz
Gain variation	:	0.1% / °C
Working Voltage (at uninsulated conductors)	:	300 V AC _{RMS} or DC

4. Dimensions and Weight

Max. Conductor Size	:	32 mm
Output Connection	:	1.5 m cable with 2x 4 mm banana plug
Output Zero	:	Via push button
Operating Temperature Range	:	0°C ... +50°C
Storage Temperature Range	:	-20°C ... +85°C
Operating Humidity	:	15 % to 85 % (non-condensing)
Weight	:	320 g

5. Safety Standard

EN61010-1

EN61010-2-032

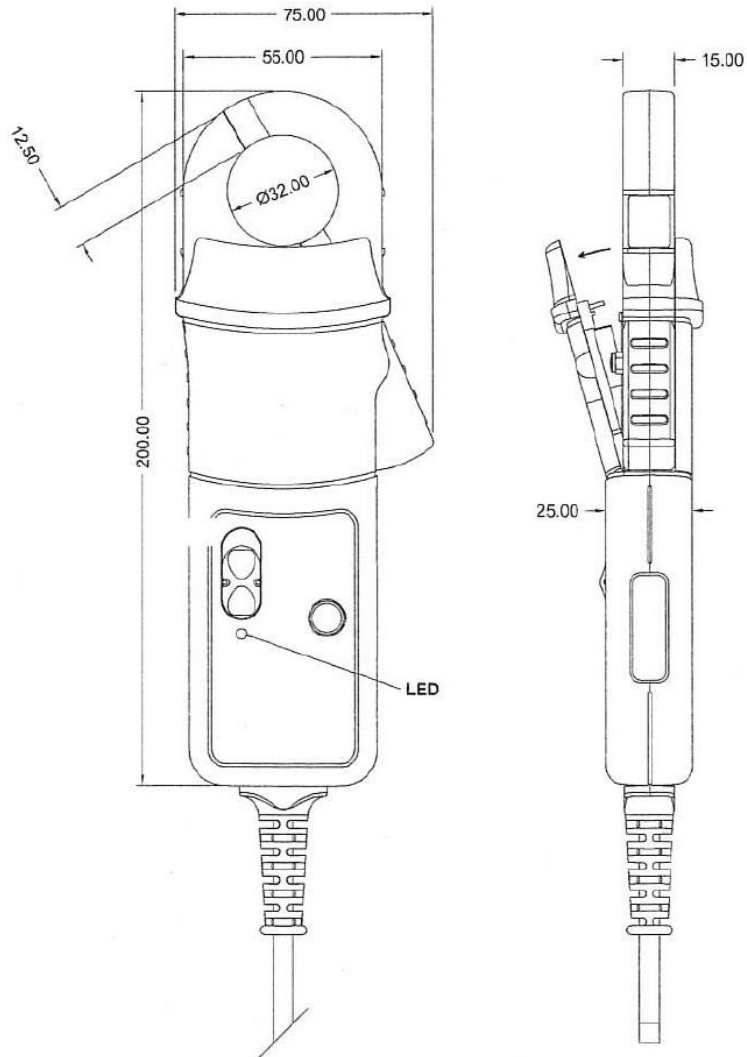
300 V_{RMS}, CAT III

Use of the probe on uninsulated conductors is limited to 300 V AC_{RMS} or DC and frequencies below 1 kHz.

6. EMC Standard

EN 61326 :1998

7. Dimensions (mm)



8. Ordering Information

FEATURE	ORDER CODE
AC/DC Current clamp <ul style="list-style-type: none"> ● AC/DC Current clamp, 1-pole, 0..60 A..600 A, incl. power supply, connecting sleeves 	111.7099

Accessories	ORDER CODE
Adapter cable set <ul style="list-style-type: none"> ● Adapter cable, 8-pole, length 2m 	111.7004

Caution:

The "Phase correction current clamps" must not be activated.
 Otherwise the DC measured value is suppressed.

A. Eberle GmbH & Co. KG

Frankenstraße 160
 D-90461 Nürnberg

Tel.: +49 (0) 911 / 62 81 08-0
 Fax: +49 (0) 911 / 62 81 08 96
 E-Mail: info@a-eberle.de

<http://www.a-eberle.de>

Version: 2/26/2021 3:50 PM

Copyright 2021 by A. Eberle GmbH & Co. KG

Subject to change without notice.