

Current Clamp 100:1A

- M1, Part No. 400 100

The M1 100:5A Current Clamp is the standard instrument for current measurement with the ClimaCheck PA Pro/EP Pro Portable system and it is appropriate for both the type I and II versions as well as the older PA 8:7 unit.

Technical specification

Primary rate current	100A
Measuring range	0.1 – 300 A
Output Signal	1 A = 10 mA
Ratio	100/1
Accuracy	2 % from 0,1 to 1,2 IN
Load internal	0.5 Ohms
Load external mini	0.1 to 0.5 Ohms
Measurement power	Take care to keep the conventional direction P1 = S1 rear of the arrows.
Accuracy at 2000Hz	100 A at 2 %
Phase difference at 2000Hz	2 Degrees
Frequency range	40Hz to 5000 Hz
Protection class	III according to IEC 1010-1
Dielectric strength	3KV 50Hz 1 min
Temperature range	-10 till +50 °C
Striped conductor	30 Volt eff.
Insulated conductor	No limit
Opening cable	15 x 17 mm
Dimensions	97 x 43 x 23 mm
Weight	115 g
Output connection	4 mm safety sockets
Colour	Grey



Electrical test table

Primary A	Error %	Phase error degrees	Technical remarks
0.5	-0.3		
1	-1.8	2.5	Test carrying
5	-1.3		
10	-0.9	to	at
25	+0.4		
100	+0.7	3.5	50 Hz 0.3 Ohms
200	+1.1		