

⇒ Highlights

- Broad-band operation up to 100th harmonic of mains frequency
- Optional scalable current up to 240 A (720 A)

⇒ Description

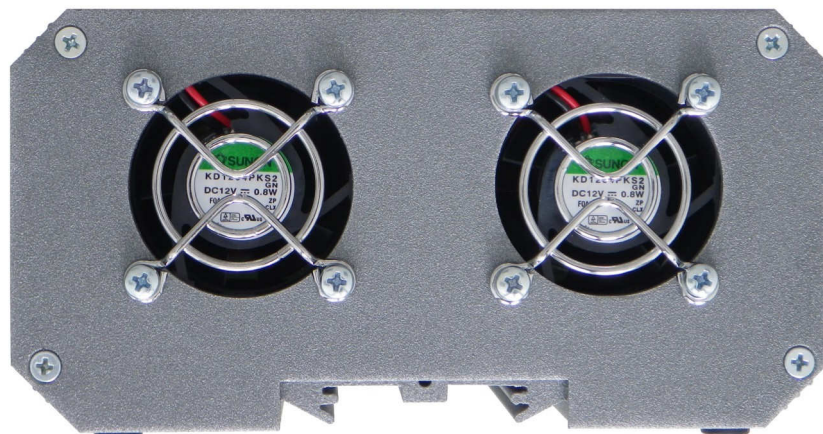
Zero Phase Standard is a specially designed broad-band four-terminal resistor optimized for negligible Reactance component of the complex Impedance.

The Zero Phase Standard has nominally zero phase angle between the current flowing through the resistor and the respective voltage on its voltage terminals. The resistor is designed to operate with current up to 1A or with voltage up to 150V with nominal Resistance 150 Ohm.

The Zero Phase Standard is dedicated for calibration of Power and Energy Reference devices. The current range of the device can be extended up and down by Precision Electronically Compensated Current Transformer CMR-I 2x30.



ZPS 1101 - Front View



ZPS 1101 - Rear Panel

⇒ Technical Specification

	ZPS 1101
Frequency Range	40 Hz .. 6 kHz
Resistance	150 Ohm
Phase Angle Error	0.002 deg @ 40 Hz to 500 Hz 0.005 deg @ 500 Hz to 6 kHz
Maximum Voltage	150 V <i>for max. 5 s</i> 100 V <i>continuous</i>
Maximum Current	1 A
Current Extension	up to 240 A (<i>with CMR-I 2130S</i>) up to 720 A (<i>with CMR-I 2330S</i>)
Thermal Protection	Fan cooler (<i>the resistor circuit is disconnected without powered fan</i>)
Power Supply	12 V _{DC}
Size (<i>W x D x H</i>)	140 x 170 x 74 mm
Weight (<i>approx.</i>)	1.5 kg