



90-2M

The measuring instrument serves for the standard concurring measurement of leakage currents at single-phase consumers according to VDE / EN / IEC.

The compact design as 3 HU/48 P subdrawer allows for mounting into 19" subracks for system applications.

All device connections are mounted at the rear side, front jacks serve for control measurements, respectively for the calibration of the device. The control of the device is carried out via a digital-/ analog interface (as optional feature is an RS232/IEEE488 interface available).

SPECIFICATIONS:

Measurement circuit: EN 60990 illustration 4

Standard¹: VDE 0860 / EN 60065² (State: October 1999)
 VDE 0700-Part1 / EN 60335-1 (State: August 2001)
 VDE 0711-Part1 / EN 60598-1³ (State: June 2001)
 VDE 0805 / EN 60950 (State: November 1997)
 VDE 0411-Part1 / EN 61010-1² (State: March 1994)

Measur. procedure: A1, A2 (switchable without mains interruption)

Methods of measur. : R.m.s. value, average value, peak value, } (external supply)
 or pulsating component (depending on standard)

Test voltage: 0 .. 280 V AC

Test current: 0 .. 15 A

Ranges: 100 μ A Measuring error⁴ < 1% of rdg. + 3 μ A
 1 mA Measuring error⁴ < 1% of rdg. + 5 μ A
 10 mA Measuring error⁴ < 1% of rdg. + 50 μ A

Measur. bandwidth: DC ...1 MHz

Interface: digital / analog

Mains supply: 230 VAC +/- 10 %; 49 ... 61 Hz

Dimensions: Subdrawer 3 HU / 48 P

Optional feature: ● RS 232 / IEEE 488 - interface (Type 90-7W Z018)

Variant: ● integrated voltage / current / power measurement
 0 .. 280 VAC; 0 .. 15 A; 0 .. 3750 VA (Type 90-2M Z01)

¹ please state required standard in your order

² without measuring because of burning at higher frequencies

³ without measuring between conductive housing parts

⁴ validated at DC / 50 .. 60 Hz

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