

Type: Multi-instrument MIB

Technical specifications

Voltage measurement:	
* Nominal voltage U_N	Ph-N: 400 VAC (load: 0.2 VA per phase at U_N) Ph-Ph:: 690 VAC
Measuring range	0...1.2 × U_N
Overload range	2 × U_N cont. 2500 VAC for 1 s
PT	Primay: 50V...1000kV. Secondary: 50V...400V
External fuse	1A / 230 VAC
Current measurement:	
* Nominal current I_N	5 AAC (load: 0.5 VA per phase at I_N)
Measuring range	0...1.2 × I_N
Overload range	10A cont. 100A for 1 s
CT primary	5A...50kA
Frequency input:	
* Frequency	Nominal f_N 50/60 Hz. Meas. range: 45...65 Hz. Measuring point: Ph1-N
Accuracy:	
* Voltage and current meas.	0.5% of range
* Frequency	0.5% of range
Neutral conductor current	0.5% of range
* All power measurements	1.0% of reading
Power factor	1.0% of range
Energy	1.0% of range
Harmonic	2.0% of range
Aux. power supply:	
* Supply voltage	100...415 VAC +/- 10% 50/60 Hz or 125...250 VDC or 24...48VDC ≤2 VA. Fuse: 1A / 250VAC Power consumption 3VA@230V AC
Other inputs/outputs	
* Digital outputs	Open-coll., NO, max. 5 mA. Range: +40...-6 VDC. Isolation: 4 kVAC rms

Type test specifications

Tested according to:

Temperature	Display: -10...55 °C Other parts/performance: -25...55 °C Storage: -40...85°C	EN/IEC 60068-1/2
Humidity	0...95% RH, non-condensing	EN/IEC 60068-1/2
Temperature drift	<100 ppm per °C	EN/IEC 60068-1/2
Protection	Enclosure: Front IP52. Rear IP32	IEC/EN 60529
Safety	EN 61010-1, Cat. III, poll.dg. 2	EN 61010-1
Test voltage	2200VAC rms, 50 Hz, 1 minute	EN 61010-1
EMC	Immunity	EN 61000-1-1/2
	Emission	EN 61000-1-3/4.



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