

MT400 – Technical Data

General

Power supply	85 ... 265 V~, 47 ... 63 Hz
Power consumption	~ 200 VA
Temperature range, operation	-10° ... + 50° C
Temperature range, storage	-15° ... + 65° C
Relative humidity (not condensing)	max. 95 %
Dimensions (LxWxH)	220 x 290 x 320 mm
Weight	~ 10 kg

Safety

IP class according to DIN EN 60529	IP40
Declaration of conformity	CE conform
Protection class according to DIN EN 61140	II

Source data

Voltage Measurement

Voltage measurement	40 ... 300 V~
Voltage range(s)	300 V
Voltage channels input impedance (@ range)	~ 240 kΩ @ 300 V
Voltage measurement accuracy	0.5 %
Current min. max.	1 mA ... 20 A~
Current range(s)	24 A, 12 A, 3 A, 1.2 A, 600 mA, 300 mA, 120 mA, 60 mA, 30 mA
Current max. voltage per range	1.3 V @ 20 A, 2 V @ 12A, 4 V @ 6 A .. 30 mA
Current max. output power 8)	25 VA
Current distortion 4)	< 0.5 %
Current setting resolution	5 Digits
Current accuracy 4)	< 0.1 %
Current stability 4) 9)	< 0.02 %
Current long term stability 4)	< 0.02 %
Current load dependence	< 0.02 %
Frequency range	45 ... 65 Hz
Phase angle setting range	0.00 ... 359.99 °
Phase angle setting resolution	0.01 °
Phase angle accuracy	< 0.5 °
Phase angle stability 9)	< 0.15 °

4: From 10 mA ... 20 A

8: Related of end of maximum range and end of range and ohmic load

9: Stability over 1 hour (measurement with $t_i = 10$ s)

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Subjects to alteration.

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