

EMOB 80 – Technical data

General

Temperature range, operation	-10° ... + 40° C
Relative humidity (not condensing)	10 ... 90 %
Connector type	IEC 62196-2 type 1

Safety

IP class according to DIN EN 60529	IP67 [IP40]
Declaration of conformity	CE conform
Overvoltage category current measurement	CAT II 300 V

Voltage Measurement AC

Voltage range(s) 23) 30)	250 V, 8 V, 100 mV
Voltage measurement accuracy 11) 23)	< 0.05 %
Voltage measurement accuracy 11) 30)	< 0.025 %

Current measurement AC

Fundamental frequency	45 ... 65 Hz
Current measurement	10 mA ... 80 A
Current range(s) 23) 30)	100 A, 50 A, 10 A, 5 A, 1 A, 500 mA, 100 mA, 50 mA
Current measurement accuracy 23)	< 0.05 % @ 80 A ... 100 mA < 0.1 % @ 100 mA ... 20 mA
Current measurement accuracy 30)	< 0.025 % @ 80 A ... 100 mA < 0.05 % @ 100 mA ... 20 mA
Angle measurement accuracy 23)	< 0.015 ° @ 80 A ... 100 mA < 0.03 ° @ 100 mA ... 20 mA
Angle measurement accuracy 30)	< 0.01 ° @ 80 A ... 100 mA < 0.03 ° @ 100 mA ... 20 mA

Maximum current	80 A ~
Current channels surge current capability	120 A (1 min)

Power Measurement AC

Power/energy measurement accuracy 11) 23)	< 0.1 % @ 80 A ... 100 mA < 0.15 % @ 100 mA ... 20 mA
Power/energy measurement accuracy 11) 30)	< 0.05 % @ 32 A .. 100 mA < 0.1 % @ 100 mA ... 20 mA

11: From 30 V ... 300 V

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23: In connection with MT310s2

30: In connection with MT320s2

Subjects to alteration.

EMOB 80_SPECS_EXT_GB_V401