

## EMOB 80 – Technical data

<b>General</b>	
Temperature range, operation	-10° ... + 40° C
Relative humidity (not condensing)	10 ... 90 %
<b>Safety</b>	
Declaration of conformity	CE conform
Overvoltage category current measurement	CAT II 300 V
<b>Voltage Measurement AC</b>	
Voltage range(s) 23)	250 V, 8 V, 100 mV
Voltage measurement accuracy 23)	< 0.05 % @ 30 ... 300 V < 0.5 % @ 10 mV ... < 30 V < 1 % @ 2 mV ... < 10 mV
<b>Current measurement AC</b>	
Fundamental frequency	45 ... 65 Hz
Current measurement	10 mA ... 80 A
Current range(s) 23)	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
Angle measurement accuracy 23)	< 0.015 ° @ 80 A .. 100 mA < 0.03 ° @ 100 mA .. 20 mA
Maximum current	80 A ~
Current channels surge current capability	120 A (1 min)
<b>Power Measurement AC</b>	
Power/energy measurement accuracy 23)	< 0.1 % @ 80 A .. 100 mA < 0.15 % @ 100 mA ... 20 mA

23: In connection with MT310s2  
Subjects to alteration.

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