

Voltage measurement			
Number of voltage measuring channels	12, multiplexed, galvanically isolated		
Voltage measuring ranges	±2 V ±5 V ±20 V		
	of measured value	of the corresponding positive range	
Accuracy	±0.1 %	±0.05 %	
Resolution	15 bits in each quadrant		
Sampling time	1 ... 1000 s		
Temperature measurement			
Number of temperature measuring channels	2, not simultaneously usable		
Supported temperature sensors	Thermocouple Type K RTD PT500 RTD PT1000 Thermistor 1k Thermistor 2k252 Thermistor 3k Thermistor 5k Thermistor 10k Thermistor 30k		
Accuracy	±1 °C		
Sampling time	min. 300 ms		
Data acquisition			
Data record	<timestamp>,<measured output voltage>,<measured output current>,<measured temperature>, <measured voltage channel 1>, ..., <measured voltage channel n>		
Size of data buffer	8000 data records in ring buffer		
Permissible voltages			
Permissible potential between any positive measuring input and Output-	max. 60 V <sup>1)</sup>		
Measuring range	±2 V	±5 V	±20 V
Permissible potential between any negative measuring input and Output-	max. 20 V <sup>1)</sup>	max. 50 V <sup>1)</sup>	max. 40 V <sup>1)</sup>
Permissible potential between thermoelement and PE	max. 60 V <sup>1)</sup>		

1. positive or negative DC voltage