

## 9 Specifications

Current accuracy:	500 ppm of range (1,5 $\mu$ A at low range and 7,5 $\mu$ A at high range)
Current ratio accuracy:	200 ppm (for currents higher than 10% of range) 50 ppm (for currents higher than 33% of range)
Display resolution:	0,0001 mA for low range and 0,001 mA for high range
Remote interface resolution:	two additional digits compared to display resolution
ADC sampling frequency:	50 kHz default, 5 kHz to 60 kHz adjustable
ADC resolution:	18 bits
Base noise level:	0,4 $\mu$ A typical, 1 $\mu$ A maximum for low range 1,4 $\mu$ A typical, 4 $\mu$ A maximum for high range (no external connections)
DC offset:	$\pm 5$ LSB typical, 20 LSB maximum, adjustable in 1 LSB steps
Frequency range:	DC to 100 Hz
Bandwidth (-3 dB):	15 kHz
Shunt resistance:	4 ohms
Absolute maximum current:	50 mA RMS, short-time overload, regardless of range
Absolute maximum voltage:	48 V between any connectors or between any connector and GND
Operating temperature:	23 $^{\circ}$ C $\pm$ 3 $^{\circ}$ C
Operating relative humidity:	40% to 80% relative humidity, non condensing
Temperature coefficient:	$\pm 25$ ppm/ $^{\circ}$ C maximum, within operating temperature range
Power supply:	USB bus powered 5V, 500 mA (max), 100 mA (typical)
Rechargeable battery:	LiPo battery, 2000 mAh (7,4 Wh), operating time 24 hours (typical) charging time 4 hours to 70%, 16 hours to full capacity
Battery lifetime:	500 cycles typical, capacity decreases over battery lifetime
Remote interface:	USB and RS3232

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Weight: 1,75 kg

Dimensions: 120 x 220 x 100 mm (WxHxD)