



## Product Specifications & Ratings

### Module

Weight	280 gr (0.6 lbs)
Dimensions	8 cm x 7 cm x 5 cm (3" x 2-3/4" x 2")
<b><u>Operating Range</u></b>	
Voltage x 5 or 10 channels	0 - 500 V DC
Temperature x 1 channel	10 - 40 C (50 - 104 F)
Conductivity x 1 channel	1k - 4k uS/cm (beta)
<b><u>Resolution</u></b>	
Voltage	12 bit ADC (analog to digital conversion)
Temperature	0.125 V
Conductivity	0.03 C (0.05 F)
Accuracy	25 uS/cm (beta)
Microprocessor	+/- 2.5%
Controls	48 MHz, extreme low power, Real Time Clock & Calendar, 3.3 V operation
Sample rates (seconds between samples)	Tilt & Reset (internal) switches
Smoothing (i.e. over sample) rates	0.25, 0.5, 0.75, 1, 2, & 4
Max # of records	1 (no smoothing), 4, 8, or 16
Flash memory	~2400 approximate elapsed recording times 10 minutes @ 0.25 seconds/sample 2.75 hrs @ 4 seconds/sample
USB connection	~70 kB
Logger Construction	Mini 'B' type, IP - 68
Storage Temperature	Polycarbonate case, IP - 67, 82 C (180 F) maximum
Battery charge time	-7 to 33 C (20 - 90 F)
Battery Type and rating	30 - 120 minutes
Battery operating life (recharge needed)	Lithium polymer : 4.2 V @ 900 mAh
Carrying Case	Awake: ~12 hrs & Sleep: ~1 week
	27.4 cm x 25 cm x 11.4 cm (10.7" x 9.8" x 4.5")

### Voltage Sensor Wiring Harness

Weight	680 gr (1.5 lbs)
Length	TU5 - Std length is 1.2 m (4 ft.) 1 wire @ 3 m (9.8 ft.), 1 @ 2.5 m (8.2 ft.), 3 @ 2 m (6.6 ft.); TU10 - Std length is - 2 @ 3.5 m (11.5 ft.), 2 @ 3 m (9.8 ft.), 2 @ 2.5 m (8.2 ft.) and 4 @ 2 m (6.6 ft.). Harness can be custom made as requested.
Auxiliary ground cable/clamp	1.2 m (4') green coiled wire
Connector	Circulator, multiple pin, IP - 67
Sensor Body Type	Pull: Horseshoe - 58 N (13 lb) or Round - 31 N (7 lb)