



MODEL H-377

AIR/SOIL/WATER TEMPERATURE PROBE

The model **H-377** is a high accuracy temperature probe. Measure air, soil or water temperature for accurate and reliable data.

APPLICATIONS

Measure temperature in streams, lakes, wells, oceans, waste water, soil and air.

KEY FEATURES

- Reliable data acquisition and long term calibration-free operation
- Temperature measurement with precision thermistor probe provides fast response and high accuracy
- Operating temperature range of - 40° C to 80° C
- Sealed, corrosion-resistant, and non conductive enclosure
- Analog output
- Compatible with the Storm 3 and XL Series data loggers



H-377



a xylem brand

SPECIFICATIONS

PERFORMANCE		
Accuracy	Accuracy	±0.2° C
Response Time	Sampling	<0.7 Seconds
	Maximum Excitation	<4 Seconds
Range	Operating Temperature	- 40° to 80° C
General	Temperature Sensor	10 K Thermistor
MECHANICAL / POWER		
Size	Sensor	102 mm L x 5.08 mm W (4 in x 0.2 in)
	Sensor Cable	33 m (100 ft)
Weight	Sensor Shipping	0.68 kg (1.5 lbs) With cable
Material	Shield Plates	UV stabilized white thermoplastic
	Shield Mounting Bracket	Aluminum
	Shield U-bolt Clamp	White stainless steel
Power Requirements	Sensor Voltage Input	3.5-50 volts DC
	Sensor Consumption	0.0005 mA
Connection	Shield Mounting bracket and U-bolt clamp	
General	Sensor Protection	IP67
	Radiation Shield Available	H-380-SS natural aspiration shield is recommended when using the H-377 to measure air temperature. Includes adapter for smaller temperature probe.
COMMUNICATION		
Output Data Parameters	Analog Signals	Vishay/Dale precision 20K resistor in line with 10K thermistor
MISCELLANEOUS		
Warranty	The WaterLOG H-377 is warranted against defects in materials and workmanship for 2 years from date of shipment.	
Note	Specifications subject to change without prior notice due to ongoing commitment to product testing and improvement. LR June 2016. D03-06 0616.	



Radiation Shield



H-377