weather



Model 92000 *ResponseONE*[™] Weather Transmitter

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The YOUNG *Response ONE*[™] Weather Transmitter measures four key meteorological variables with one compact instrument. It is ideal for many weather monitoring applications requiring accurate, and reliable measurements. Ultrasonic wind speed and direction, atmospheric pressure, humidity and temperature sensors are carefully integrated into an enclosure optimized for durability, airflow and mitigation of solar radiation effects. An integrated compass helps enable mobile applications (Model 92500). A variety of useful serial output formats are provided including SDI-12, NMEA, and ASCII text. Output may be continuously provided or, to conserve power, polled output may be used. RS-232 or RS-485 serial format options enable direct integration with YOUNG displays, marine NMEA systems, data loggers or other compatible serial devices. An easy-to-use Windows setup program is provided with each sensor. The program allows the user to customize the device settings such as sampling rates and communication parameters.

The **Response ONE**[™] features durable, corrosion-resistant construction and installs on readily available 1 inch (IPS) pipe. Wiring connections are made in a convenient weather-proof junction box. Special connectors and cables are not required.



Ordering Information	MODEL
ResponseONE [™] Weather Transmitter	
ResponseONE [™] Weather Transmitter w/Internal Compass	

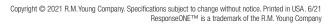
Specifications

. Resolution:	0 – 70 m/s (156 mph) 0.01 m/s ±2% or 0.3 m/s (0 – 30 m/s) ±3% (30 – 70 m/s)
Wind Direction Azimuth Range: Resolution: Accuracy:	6
Resolution:	-40 to +60°C 0.1°C ±0.3°C (-20 - +50°C) ±0.7°C (other)
Relative Humidity Range: Resolution: Accuracy:	
Resolution:	500 – 1100 hPa 0.1 hPa ±0.3 hPa(0 - 60°C) ±1 hPa(-40 - 0°C)
(Model 92500) Resolution:	0 – 360 degrees 0.1 degree ± 2.0 degrees
	RS-232, RS-485/422, SDI-12 NMEA, SDI-12, ASCII (polled or continuous) 1200, 4800, 9600, 19200 and 38400
0	10 – 30 VDC 7 mA @ 12 VDC typical, 80 mA max
Dimensions:	FCC Class A digital device, IEC Standard 61326-1 30 cm high x 13.5 cm wide 0.7 kg (1.5 lb) 1.6 kg (3.5 lb) -40 to +60 °C



The **ResponseONE**TH is compatible with a broad range of data loggers and displays, including the YOUNG Model 26800 Translator.

C E complies with applicable CE directives.





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