



PRECISION METEOROLOGICAL INSTRUMENTS

TRUSTED AT THE TOP OF THE WORLD



SIX DECADES OF UNMATCHED ACCURACY & RELIABILITY

SINCE 1964, R.M. YOUNG COMPANY HAS SPECIALIZED IN THE DEVELOPMENT AND MANUFACTURE OF PROFESSIONAL METEOROLOGICAL INSTRUMENTS.

Renowned for their performance and reliability, our precision weather instruments have earned global acclaim, underpinned by exceptional customer support and over six decades of innovation and expertise.



FROM THE STORMIEST SEAS TO THE HIGHEST PEAKS

WE PARTNER WITH SOME OF THE WORLD'S MOST PRESTIGIOUS ORGANIZATIONS ACROSS A WIDE ARRAY OF INDUSTRIES, INCLUDING:

- Meteorological Agencies and Weather Services
- Environmental and Climate Research Organizations
- Aerospace and Aviation Industries
- Marine and Coastal Monitoring
- Agricultural Sector
- Energy Sector
- Government and Military Agencies
- Industrial Applications

YOUNG

WIND SENSORS

WIND MONITOR

High-performance propeller-vane wind sensors with a rugged, corrosion-resistant construction that makes them ideal for a wide range of critical wind measuring applications. The helicoid propeller is viewed as a primary measurement tool due to its sensitivity and linear response.

ULTRASONIC ANEMOMETER

Lightweight and compact sensors that feature durable, corrosion-resistant construction with sensitive ultrasonic transducers. Heating available in 2D models.

3D ULTRASONIC ANEMOMETER

Sensitive 3-axis anemometer useful for detailed wind studies and eddy-covariance research.



GILL PROPELLER ANEMOMETER

A precision, single-axis wind measuring instrument that utilizes a fast response helicoid propeller and high-quality tach-generator transducer.

WIND SENTRY® VANE & 3-CUP ANEMOMETER

Matched compact cup anemometer and vane. Available separately or combined, the Wind Sentry is a perfect choice for agricultural and recreational applications.

GILL 3-CUP ANEMOMETER

A traditional wind sensor for horizontal wind measurement designed to measure wind speed by capturing wind in three cups that rotate around a vertical axis.



YOUNG



TEMPERATURE & HUMIDITY

MULTI-PLATE AND ASPIRATED RADIATION SHIELDS

Compact, light-weight shields to protect temperature and relative humidity sensors from error-producing solar radiation and precipitation.

TEMPERATURE AND RELATIVE HUMIDITY SENSOR

Highly accurate, professional grade probes for measuring either temperature only or both temperature and relative humidity.



PRECIPITATION & PRESSURE SENSORS

TIPPING BUCKET RAIN GAUGE

A proven tipping bucket mechanism for simple and effective rainfall measurement in accordance with WMO, specially designed to reduce contamination and errors.

PRECIPITATION GAUGE

This “siphon” rain gauge with no moving parts makes it ideal for use on moving platforms such as buoys and ships. Heated model available.

SNODAR SNOW DEPTH SENSOR

SNODar delivers real-time snow depth data—even in storms—with easy setup and anywhere access via its app and built-in data logger.

BAROMETRIC PRESSURE SENSOR

A compact sensor that combines high accuracy and low power consumption over a wide range of pressures and temperatures. Serial and analog outputs are provided.



SENTRY™ VISIBILITY SENSOR

OPTICAL SENSOR

Designed to measure atmospheric visibility over the range of 30m to 16km. Features a rugged UV-resistant enclosure, an anti-dew heater, and a hood heater (optional).



INDICATORS & TRANSLATORS

YOUNG

TEMP TRACKER

A highly-readable temperature, humidity, and dew point display with advanced alarm features for use in a wide range of applications, equipped with a long-life LED display.

WIND TRACKER

A compact wind speed and direction display with advanced features for use in a wide range of applications, equipped with a highly-visible, long-life LED display.

METEOROLOGICAL TRANSLATOR

A fully programmable digital display and data logger compatible with a wide variety of sensors and accessory devices with a high storage capacity and assortment of inputs and outputs. Compatible with YOUNG sensors along with many others.



ResponseONE™

YOUNG

THE *ResponseONE™*

ALL-IN-ONE WEATHER STATION

The *ResponseONE™* Weather Transmitter is an all-in-one weather station that houses ultrasonic wind speed and direction, atmospheric pressure, humidity, and temperature sensors in one compact enclosure optimized for durability, airflow, and solar mitigation.

Electronic compass option is available, and terminals are provided for the connection of a tipping bucket rain gauge.



THE *ResponseONE-PRO™*

ALL-IN-ONE WEATHER STATION WITH A TWIST

Imagine if restoring your all-in-one weather station to factory specifications was as easy as changing a lightbulb. Now it can be with our brand new *ResponseONE™-PRO*! You can now easily remove and replace the protective filter and internal sensor module with a simple twist of the wrist. No more sending your instrument back to the manufacturer for maintenance. And no more costly downtime.



ARE YOU READY TO WEATHERPROOF YOUR METEOROLOGICAL DATA?

OUR EXPERTS ARE HERE TO HELP!

CONTACT US



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