



R.M. YOUNG COMPANY



meteorological instruments

YOUNG



experience

For more than 40 years, Young has produced precision meteorological instruments. Today, this experience shows with advanced instrument designs to satisfy a wide range of applications.

quality

Individual components as well as finished products are designed, fabricated, and assembled at our facility. Careful attention to all aspects of production ensures the highest level of quality.

reliability

Materials and features are carefully selected for optimum performance in a wide range of conditions. From frozen mountain peaks to stormy ocean waters, Young products are engineered to survive the harshest environments. This is why Young products are chosen by customers in more than 85 countries worldwide.

value

Use of modern manufacturing processes, plastic injection molding and CNC machining yields extremely cost-effective designs. All models are designed for ease of installation and maintenance; technical assistance and parts are readily available from our worldwide network of authorized suppliers. For a single installation or a vast network, Young sensors and displays offer superior performance, features, and value.



**METEO – FRANCE
MT. AIGOUAL OBSERVATORY**

Wind Monitor installed at Mt. Aigoual Observatory (altitude 1567 m) for the WMO Wind Instrument Intercomparison conducted by the Swiss Meteorological Institute and METEO-FRANCE for the Commission for Instruments and Methods of Observation. Photo courtesy of Mr. Boulet, Director of Observatory.

ARABIAN OIL COMPANY

Wind sensor at the Arabian Oil Company terminal at Kafji, Saudi Arabia, on the Persian Gulf, provides data for port operations and safety at sea. Photo courtesy of Abdul Rasheed Awan, Electronics Technician and Aamer Ashfaq Ahmed, Computer Technician, Rareness World Est., Riyadh, Saudi Arabia.



FAA “GOMP” BUOY DEPLOYMENT

NASA workboat CLERMONT II deploying a prototype FAA Remote Buoy Communication System (RBCS) for tests. The Gulf of Mexico Project (GOMP) is a program to extend air / ground communications capabilities to presently uncovered areas in the Gulf. GOMP buoys will also furnish meteorological data to the NWS. Photo courtesy of Dr. Eduardo Michelena, National Data Buoy Center, Stennis Space Center, Mississippi.



sensors

wind

ATLAS BUOY DEPLOYMENT

Deploying an ATLAS buoy from the French research vessel R/V Noroit. One of the Tropical Atmosphere Ocean (TAO) array of moored buoys in the Pacific Ocean, developed under the auspices of the Tropical Ocean-Global Atmosphere (TOGA) Program. Photograph courtesy of Dr. Linda Stratton, Research Scientist, TAO Project Office, PMEL, Seattle, Washington.



MODEL 85000 ULTRASONIC ANEMOMETER

2-axis, no-moving-parts wind sensor. Ideal for general meteorological applications requiring accurate, reliable wind measurement.



MODEL 81000 ULTRASONIC ANEMOMETER

3-dimensional, no-moving-parts wind sensor provides a complete picture of the wind. Fast, 160 Hz internal sampling rate ensures superior measurement resolution.



MODEL 06201 WIND TRACKER

Display for wind speed, maximum wind speed and wind direction. Alarms & voltage outputs are standard.





▲ **MODEL 05103
WIND MONITOR**
 High performance
 wind sensor of
 durable,
 corrosion-resistant
 construction.

**MODEL 05305 WIND
MONITOR-AQ** ▶
 High resolution wind
 sensor for air quality
 applications. Meets
 EPA-PSD guidelines.



▲ **MODEL 09101
WIND MONITOR SE**
 Wind sensor with
 optical encoder
 direction transducer
 and serial output.

**MODEL 05106 WIND
MONITOR-MA** ▶
 Marine wind sensor.

**MODEL 06206
MARINE WIND TRACKER**
 Wind display for
 shipboard use.



**GULF OF MEXICO
OFFSHORE PLATFORM**

Wind Monitor mounted on an
 offshore oil and gas production
 platform in the Gulf of Mexico
 is one of several perimeter
 locations monitoring wind
 conditions for safety and
 possible evacuation during
 the hurricane season. Photo
 courtesy of Bruce Roberts,
 Pioneer Technical Services,
 Abbeville, Louisiana.



translators

indicators

HILLARYS STATION, WESTERN AUSTRALIA

One of 12 "SEAFRAME" stations around the coast of Australia which provide sea level and climate data for the Australian Baseline Sea Level Monitoring Project. Photo courtesy of Prof. G.W. Lennon, Director, Australian National Tidal Facility, The Flinders University of South Australia, Adelaide.



MODEL 26700 PROGRAMMABLE TRANSLATOR
Fully programmable data display and recording device. Illuminated LCD display. Plug-in modules for a variety of inputs and outputs. RS-232 output.

MODEL 06206 MARINE WIND TRACKER

Display for shipboard use.

MODEL 06260 PROTECTIVE ENCLOSURE

For use in wet or harsh environments.





**MODEL 26700
PROGRAMMABLE
TRANSLATOR**
 Compatible with
 computer or modem
 for convenient trans-
 fer of data.

**MODEL
06201 WIND
TRACKER
& MODEL
05103 WIND
MONITOR**
 Functional
 wind system
 with alarms.



BOTSWANA ASH-SALT PLANT

Automatic weather station at
 Botswana Ash, Sowa Town, Botswana.
 The company produces salt for the
 food industry and soda ash for the
 soap industry at the salt pans in
 Botswana. Photo courtesy of Charl le
 Roux, Inteltronics Instrumentation,
 Brits, South Africa.



ECLIPSE SITE – YUKON
 Meteorological tower at the
 Eclipse Site near Mt. Logan,
 Yukon, is positioned on an ice
 field measuring over 500m
 deep. Photo courtesy of Art
 Dalton, National Hydrology
 Research Centre, Saskatoon,
 Saskatchewan, Canada.



humidity

temperature

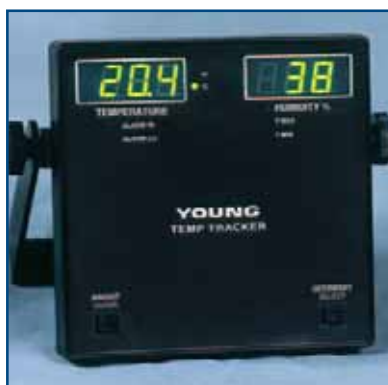
MOUNT LOGAN / MOUNT ST. ELIAS:

Meteorological station set up in July 1988 at an elevation of 5,320 m (17,450 ft.) on Mt. Logan, Canada's highest mountain. Mt. St. Elias, in the background, is half in Alaska. Photo taken by Dr. Gerry Holdsworth, glaciologist with the Arctic Institute of North America in Calgary, Alberta. Photo courtesy of Campbell Scientific (Canada) Corp., Edmonton, Alberta.



◀ **MODEL 41003
MULTI-PLATE
RADIATION
SHIELD**
Naturally ventilated shield ideal for field studies. Non-powered.

**MODEL 43408
ASPIRATED
RADIATION SHIELD** ▶
Motor aspiration minimizes radiation errors. 12 VDC brushless motor.



◀ **MODEL 46203
TEMP TRACKER**
Temperature & Humidity display includes maximum/minimum, alarms, voltage outputs.

**MODEL 41382
RELATIVE HUMIDITY/
TEMPERATURE SENSOR
& MODEL 41342
TEMPERATURE SENSOR** ▶



precipitation



PRESSURE



MODEL 50202 PRECIPITATION GAUGE

No moving parts.
Ideal for mobile
platforms.

DAVID TAYLOR RESEARCH CENTER

Radio and radar fre-
quency interference
test of Model 05103
Wind Monitor installed
on the research vessel
MONOB (YAG-61) at the
David Taylor Research
Center, Cape Canaveral,
Florida. Photo cour-
tesy of Keith Sommer,
Environmental
Measurement System
Project Manager.

MODEL 52202 TIPPING BUCKET RAIN GAUGE

Durable and
corrosion resistant.
Heated for
year-round use.



MODEL 61002 PRESSURE PORT

Static pressure
inlet for barometers.
Minimizes wind
effect.

MODEL 61202 BAROMETRIC PRESSURE SENSOR

Analog and serial
outputs.



**WASHINGTON, DC
URBAN FLOW STUDY**

Mobile monitoring station
utilizing Ultrasonic
Anemometers and
Aspirated Temperature
Shields to study complex
flows in an "urban canyon"
setting. Photo courtesy of
Meteorological Solutions,
Inc., Salt Lake City, UT.



**MODEL 12005
GILL MICROVANE
& 3 CUP
ANEMOMETER**

Traditional,
matched-response
sensors for
horizontal wind
measurements.
Also available
separately.



**MODEL 27005
GILL UVW
ANEMOMETER**

Sensor for direct
measurement of
U,V, and W wind
vectors.

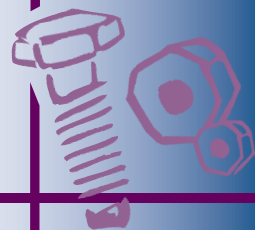


**MODEL 27106
GILL PROPELLER
ANEMOMETER**

Useful for
single axis flow
measurements
– Cosine response
propeller.



accessories



◀ **MODEL 32500
COMPASS/INTERFACE**
Produces true wind serial output from standard anemometer input. Auxiliary voltage inputs allow connection of other meteorological sensors.



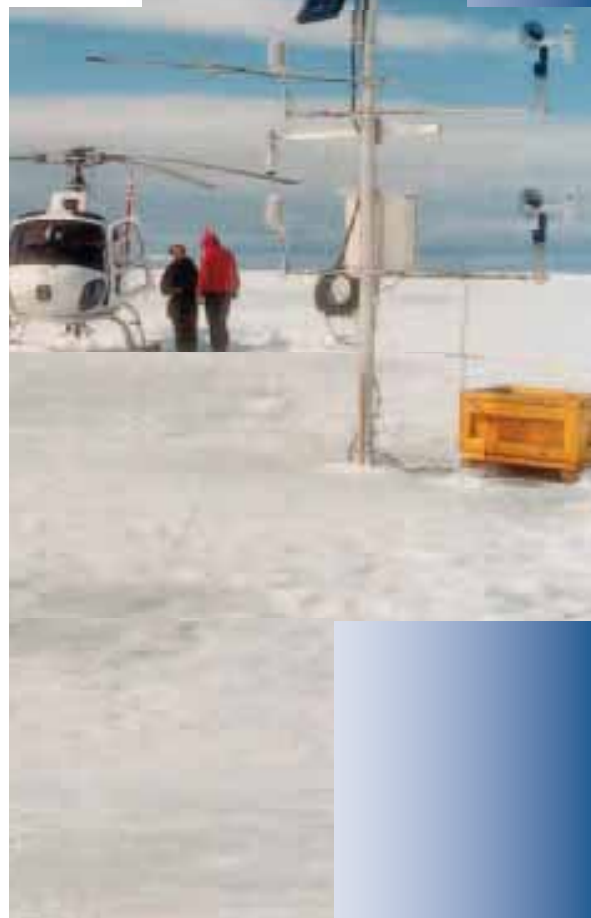
**MODEL 18940
PORTABLE TRIPOD** ▶
Strong and lightweight. Pictured with wind and temperature sensors.



◀ **MODEL 16208A
RETRACTABLE
MOUNTING ARM**
Secure instrument mounting includes universal brackets for attachment to tower.



**MODEL 18802
ANEMOMETER
DRIVE &
MODEL 18112
VANE ANGLE
BENCH STAND** ▶
Accessories for wind sensor calibration.



GREENLAND CLIMATE NETWORK

One of 15 PARCA automatic weather stations installed on the Greenland ice sheet. PARCA (Program in Arctic Regional Climate Assessment) is a NASA project to understand the mass balance of the Greenland ice sheet. Photo by Jason E. Box courtesy of Dr. Konrad Steffen, Cooperative Institute for Research in Environmental Sciences (CIRES), University of Colorado at Boulder.



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