

PRODUCT BULLETIN

REMOTE CONTROL FEATURES - PARTISOL AIR SAMPLER

The Partisol Model 2000 Air Sampler allows for remote-controlled operation in a number of ways:

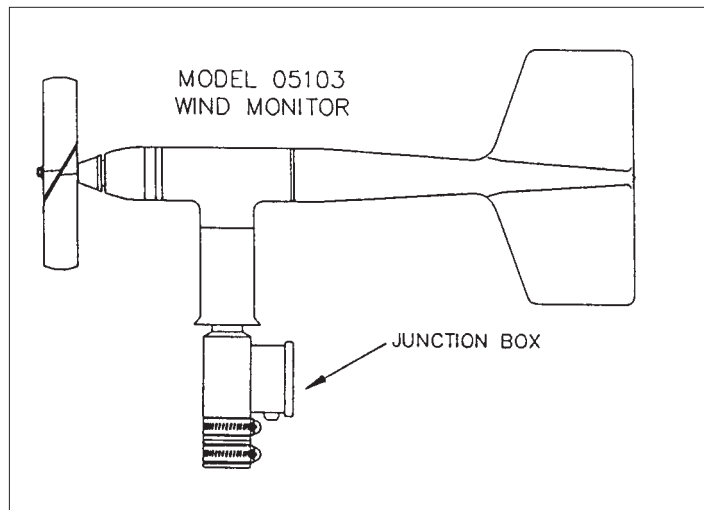
- By wind velocity and/or wind direction using a wind vane/anemometer
- By analog input
- By serial input

By Wind Velocity and/or Direction

The control of the Partisol Sampler by wind velocity and/or direction can provide important information about pollution sources. A wind vane/anemometer available from Thermo (part number 59-002525) is supplied with a 15 m cable that plugs directly into the back panel of the Partisol hub unit.

Using the advanced version of the Partisol software, the user can operate the sampler in the Meteorology Mode. This mode allows the user to specify under which wind velocity and/or direction conditions each sampling station of the Partisol system is activated. The user can define the sampling conditions for each the hub and satellite unit individually.

For example, the user can program the hub unit to sample when the wind direction is from northerly directions and the wind velocity is greater than 10 km/h. At the same time, the user can set one of the satellite stations in the same Partisol system to be active whenever the wind velocity is less than 10 km/h without regard to wind direction.



By Analog Input

The user can use analog voltage levels from external sources such as data loggers, computers, or the Series 1400a monitor from Thermo to determine which sampling station in a Partisol system is currently active. This allows the user to sample conditionally under the control of an external control device.

The advanced version of the Partisol software allows up to two Partisol systems containing four sampling stations each (8 sampling stations total) to be controlled by one control point.

By Serial Input

By connecting the 9-pin RS-232 connector in the Partisol hub to a computer through either a direct link or modem, the user can control digitally which sampling station is currently active. This feature is available in the advanced version of the Partisol software.

Partisol is a registered trademark of Thermo Electron Corporation.

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