

TBS02PA Pulse and Analogue to SDI-12 Interface

The TBS02PA can be used to convert the outputs from a wide range of analogue and pulse sensors to SDI-12 format.

TBS02PA Analogue and Pulse to SDI-12 Interface

The TBS02PA was designed to simplify the task of building automatic weather stations which employ analogue and pulse output sensors.

The traditional approach to this application has been to utilise a data logger with a high count of analogue channels, which adds unnecessary cost and complexity. The TBS02PA allows the sensors to be fed to any SDI-12 compatible logging device or telemetry unit.

The TBS02PA is built around a Fibox enclosure. The sensor cables are routed via high quality stainless steel cable glands and terminate inside the unit on simple to use cage clamps.

The TBS02PA has 7 high resolution inputs:

- a dedicated anemometer input for connection to pulse output wind speed sensors
- a dedicated input for a wind direction sensor
- a counter channel for rain gauges
- 3 general purpose analogue channels (0-1V, 0-2.5V and 0-5V)
- a 4-20mA input.

The unit includes a precision voltage reference and a DC to DC converter to generate an isolated power supply for the sensors. The unit is configured using extended SDI-12 commands and is compatible with version 1.3 of the SDI-12 protocol.



Ordering

TBS02PA

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