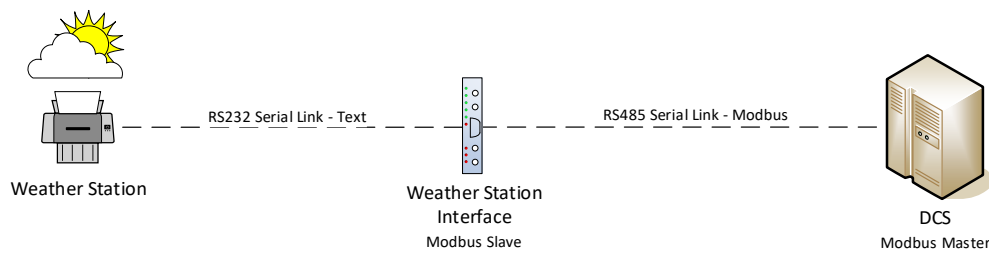


# Intelligent Information: Weather Station Interface

---



*Weather Station Interface Schematic*

## Overview

The weather station periodically printed a number of variables e.g., wind speed, wind direction, pressure, temperature and wave data. We engineered an interface to capture this data and make it available to a DCS system via a Modbus RTU communications link.

This solution was based on an 'off-the-shelf' Universal Fieldbus-Gateway UNIGATE® unit manufactured by Deutschmann Automation GmbH & Co. KG.

Full validation of the weather station data was performed; any errors were alarmed at the DCS.

## Main Features

- Solution is based on widely available hardware
- Validation of data allows rapid indication of the link or weather station failure
- LEDs on the weather station interface used to indicate health of the unit and the communication interfaces to the weather station and DCS
- Using a widely adopted communication protocol the solution is not tied to any particular DCS or PLC system
- One-off project costs; no on-going licence fees

