**Meteorological systems**

**Lufft WS500 smart weather station**

***Description:***

From the WS product family of professional intelligent measurement transducers with digital interface for environmental applications. Integrated design with ventilated radiation protection for measuring: Air temperature, relative humidity, air pressure, wind direction and wind speed. One external temperature or rain sensor is connectable.

***Specification:***

 Parameters measured: Temperature, relative humidity, air pressure, wind direction and  
 wind speed

 Measurement technology: Ultrasonic/Wind, NTC/T, Capacitive/RH, MEMS  
 capacitive/Pressure

 Product highlights: Compact all-in-one weather sensor, low power, heater, aspirated  
 radiation shield, maintenance-free operation, open communication protocol

 Interfaces: RS485 with supported protocols UMB-Binary, UMB-ASCII, Modbus-RTU,   
 Modbus-ASCII, XDR and optional SDI-12