**Meteorological systems**

**Lufft WS800 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, precipitation intensity, precipitation type, precipitation quantity, solar radiation, lightning detection, air pressure, wind direction and wind speed. One external temperature sensor is connectable.

***Specification:***

 Parameters measured: temperature, relative humidity, air pressure, wind direction, wind speed, precipitation intensity, precipitation quantity, radiation, lightning strikes

 Measurement technology: Ultrasonic/Wind, NTC/T, Capacitive/RH/Pressure, Thermopile/Radiation, Radar/Precipitation, radio wave emission/Lightning strikes

 Product highlights: First and only compact all-in-one weather sensor with lightning detection, 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