Guide to Stylitis data loggers measurement capabilities

Sensor or type of measurement	Stylitis-41	Stylitis-101
Air flow transducer: voltage or current output	•	•
Barometric pressure: voltage or current output	•	•
Carbon dioxide transmitter: voltage or current output	•	•
Current measurement: 0~20mA, 4~20mA	With internal shunt resistor	•
Current transducer: voltage or current output	•	•
Differential current measurement: min resolution 48.8 nA	—	•
Differential voltage measurement: min resolution 1.22 µV	—	•
Event counting: low-level AC or TTL signal	•	•
Excitation for sensors: Current	—	•
Excitation for sensors: Voltage	•	•
Frequency measurement up to 3kHz: low-level AC or TTL signal	•	•
Humidity transducer: voltage or current output	•	•
Infrared flow sensor: frequency output	•	•
Low level analog measurement: 6-wire Bridge	—	•
Low level analog measurement: gain up to 1000	With internal gain-setting resistor	•
Power transducer: voltage or current output	•	•
Pressure transmitter: voltage or current output	•	•
Rain level: tipping bucket rain-gauge	•	•
Resistance measurement	—	•
Solar radiation: Pyranometer	With internal gain-setting resistor	•
Temperature: linearized sensors, voltage or current output	•	•
Temperature: PT100, 2-wire	With external resistor	•
Temperature: PT100, 4-wire	As 2-wire	•
Ultrasonic level transducer: voltage or current output	•	•
Voltage measurement: up to 5V	•	•
Voltage measurement: up to 50V	—	•
Voltage transducer: voltage or current output	•	•
Water depth: voltage or current output	•	•
Wind direction: potentiometric vane	•	•
Wind speed: low-level AC anemometer	•	•
Wind speed: optical anemometer	•	•
Wind speed: ultrasonic anemometer	•	•
Wind speed: reed switch anemometer	•	•