



Precipitation SensorThies

Order number

S71100 / S71100H

Availability

Usually on stock

The instrument is designed to measure the height, quantity and the intensity of the precipitation striking the surface of the earth.

Description

The Thies Precipitation Monitor transmits signals to determine the beginning and end of precipitation as well as the duration of the period of precipitation.

Specifications

Precipitation Sensor Thies

General Information

Order Number S71100 / S71100H

Specifications

Collector Surface 200 cm²

Resolution 0.1 mm per tipping-bucket pulse

Measuring Range 0 ... 11 mm/min

Accuracy Output ±3 % (tested under laboratory conditions with distilled water)

Measuring Principle tipping-bucket

Ambient Temperature 0 ... +60 °C (without heating),
-25 ... +60 °C (with heating)

Output Signal 1 (Reed Contact with Linearization)

Pulse Length 125 ms

Tipping-Bucket Frequency 0 ... 2 Hz

Operating Voltage 5 VDC

Output Signal 2

Pulse Length 50 ms

Pulse Frequency 0 ... 2 Hz

Contact Load max. 0.5 W

Contact Voltage (Vcc) max. 42 V

Heating 24 VAC/DC; 48.5 W

Montage onto mast tube Ø 50 mm

Weight 3.3 kg

Manufacturer

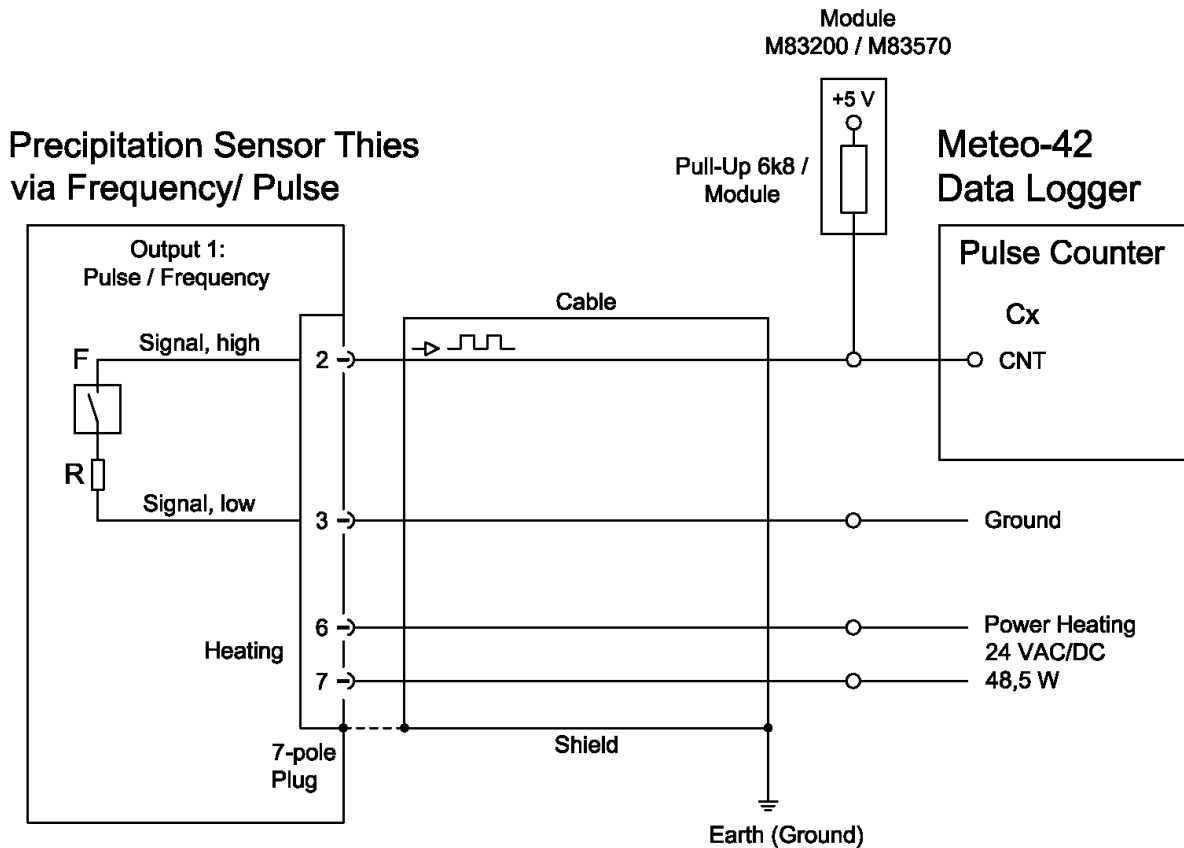
Manufacturer Thies

Accessories

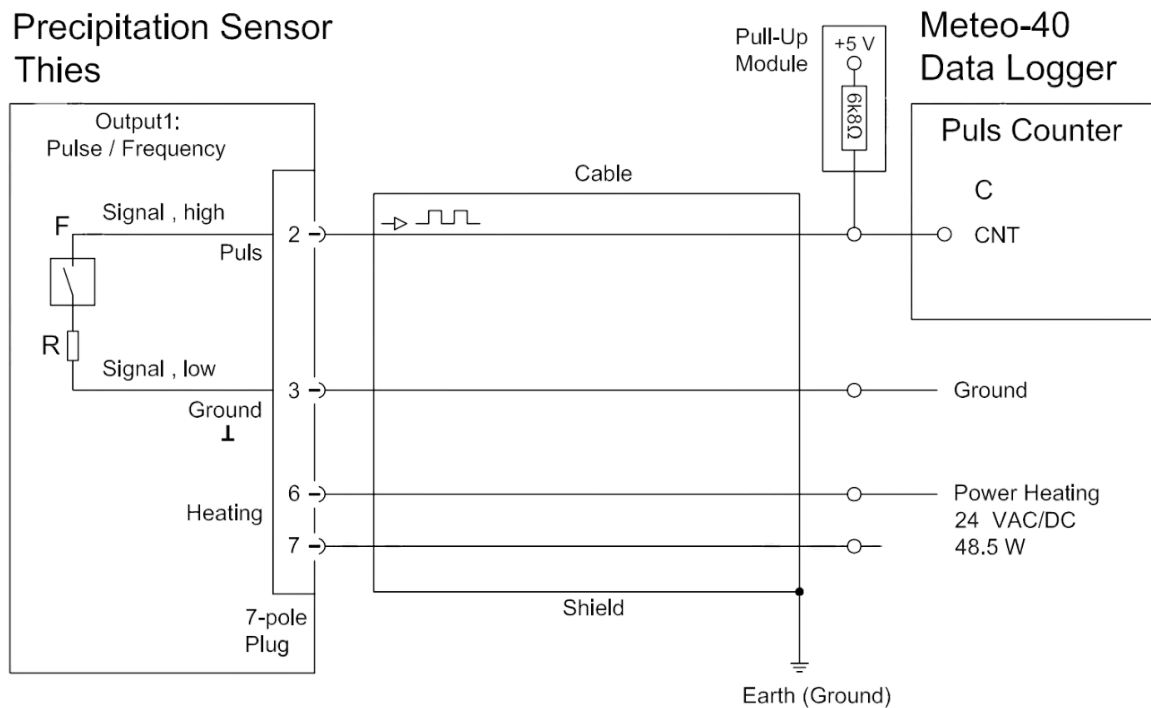
Accessories Module M83200 or M83570

Sensor connection diagram

Sensor connection diagram to Ammonit Meteo-42 data logger



Sensor connection diagram to Ammonit Meteo-40 data logger



Accessories

- Calibration Precipitation Sensor