

Weather meter kit (anemometer, vane, rain gauge)

SparkFun · MPN SEN-15901 · category: weather-instrument

Canonical record: <https://partsgraph.ai/catalog/parts/sparkfun-weather-meters>

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ELECTRICAL

Contains active electronics: **No** · datasheet p.1

External voltage required for output: **Yes** · datasheet p.1

PERFORMANCE

Wind speed per closure/sec: **1.492 MPH** · vendor page

Wind speed per closure/sec (m/s): **0.33 m/s** · datasheet p.1

Rain per tip (inches): **0.011 "** · vendor page

Wind vane positions: **16** · vendor page

Reliably resolved directions: **eight cardinal directions** · vendor page

INTERFACE

Wind vane switches: **eight switches** · datasheet p.2

Vane resistance at 0° (ohms): **33K** · datasheet p.2

Connector: **RJ11** · vendor page

Vane resistance at 45° (ohms): **8.2K** · datasheet p.2

Vane resistance at 90° (ohms): **1K** · datasheet p.2

Vane resistance at 135° (ohms): **2.2K** · datasheet p.2

Vane resistance at 180° (ohms): **3.9K** · datasheet p.2

Vane resistance at 225° (ohms): **16K** · datasheet p.2

Vane resistance at 270° (ohms): **120K** · datasheet p.2

Vane resistance at 315° (ohms): **64.9K** · datasheet p.2

Anemometer RJ11 pins: **pins 2 and 3** · datasheet p.2

Rain gauge switch wiring: **two center conductors** · datasheet p.1

MECHANICAL

Sealed magnetic reed switches: **Yes** · vendor page

Rain gauge type: **self-emptying tipping bucket** · datasheet p.1

COMPLIANCE

California Prop 65 warning: **Yes** · vendor page

GENERAL

Wind speed calibration: **2.4 km/h** · datasheet p.1

Rain per tip: **0.2794 mm** · datasheet p.1

INDICATIVE PRICES

SparkFun: \$79.95 USD · as of 2026-08-22 · <https://www.sparkfun.com/weather-meter-kit.html>

The Pi Hut: £76.80 GBP · as of 2026-08-22 · <https://thepihut.com/products/sparkfun-weather-meter-kit>

Prices are indicative and dated, captured only from vendors' machine-stated markup. Availability is never claimed.

SOURCES — THE AUTHORITATIVE DOCUMENTS

Weather meter datasheet: https://cdn.sparkfun.com/assets/d/1/e/0/6/DS-15901-Weather_Meter.pdf
sha-256 3e5acbd6b0ba4f1ab8fe8045873e2fdef682efb03b3bfe7ec67e5e28783f1d43

SparkFun product page: <https://www.sparkfun.com/weather-meter-kit.html>

The Pi Hut product page: <https://thepihut.com/products/sparkfun-weather-meter-kit>

Compiled by Partsgraph from the sources above; records as of 2026-08-22. This sheet is a first-party compilation — the manufacturer's original documents remain the authoritative source and are pinned by URL and sha-256 above. Machine-readable record, provenance receipts and MCP tools: <https://partsgraph.ai/catalog/parts/sparkfun-weather-meters> · <https://partsgraph.ai/connect>