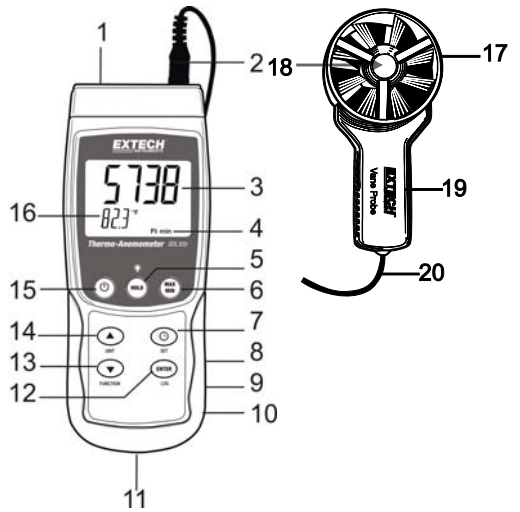


Vane Thermo-Anemometer / Datalogger

Model SDL310



International Safety Symbols



Notes:

Power ON-OFF

-
-



Meter Functions

-
-

An

tP

Air Velocity plus Temperature Mode

Changing the Air Velocity Unit of Measure

Thermocouple (Type J or K) Temperature Mode

Data Hold

MAX-MIN Readings

Display Backlight



System Reset

AC Power Adaptor

Types of Data Recording

- **Manual Datalogging:**
- **Automatic Datalogging:**

SD Card Information

-
-
-

20.00

20,00

Manual Datalogging



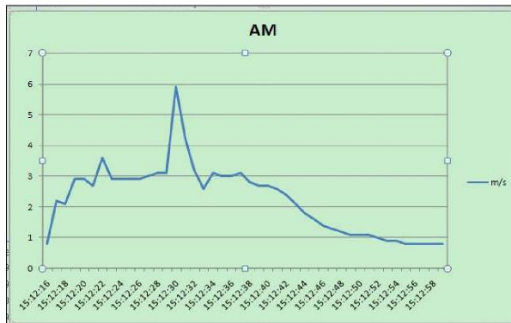
Automatic Datalogging

AMC01

AMC01001.xls

SD Data Card to PC Data Transfer

| | A | B | C | D | E | F | G | H | I | J |
|----|-------|----------|----------|-------|------|-------|------|--------|---|---|
| 1 | Place | Date | Time | Value | Unit | Value | Unit | | | |
| 2 | 1 | 2009/6/8 | 15:12:16 | 0.8 | m/s | | 28.8 | AMTemp | C | |
| 3 | 2 | 2009/6/8 | 15:12:17 | 2.2 | m/s | | 28.8 | AMTemp | C | |
| 4 | 3 | 2009/6/8 | 15:12:18 | 2.1 | m/s | | 28.9 | AMTemp | C | |
| 5 | 4 | 2009/6/8 | 15:12:19 | 2.9 | m/s | | 28.9 | AMTemp | C | |
| 6 | 5 | 2009/6/8 | 15:12:20 | 2.9 | m/s | | 28.8 | AMTemp | C | |
| 7 | 6 | 2009/6/8 | 15:12:21 | 2.7 | m/s | | 28.8 | AMTemp | C | |
| 8 | 7 | 2009/6/8 | 15:12:22 | 3.6 | m/s | | 28.8 | AMTemp | C | |
| 9 | 8 | 2009/6/8 | 15:12:23 | 2.9 | m/s | | 28.8 | AMTemp | C | |
| 10 | 9 | 2009/6/8 | 15:12:24 | 2.9 | m/s | | 28.8 | AMTemp | C | |
| 11 | 10 | 2009/6/8 | 15:12:25 | 2.9 | m/s | | 28.8 | AMTemp | C | |
| 12 | 11 | 2009/6/8 | 15:12:26 | 2.9 | m/s | | 28.9 | AMTemp | C | |
| 13 | 12 | 2009/6/8 | 15:12:27 | 3 | m/s | | 28.9 | AMTemp | C | |
| 14 | 13 | 2009/6/8 | 15:12:28 | 3.1 | m/s | | 28.8 | AMTemp | C | |
| 15 | 14 | 2009/6/8 | 15:12:29 | 3.1 | m/s | | 28.7 | AMTemp | C | |
| 16 | 15 | 2009/6/8 | 15:12:30 | 5.9 | m/s | | 29.1 | AMTemp | C | |
| 17 | 16 | 2009/6/8 | 15:12:31 | 4.2 | m/s | | 29 | AMTemp | C | |
| 18 | 17 | 2009/6/8 | 15:12:32 | 3.2 | m/s | | 28.9 | AMTemp | C | |
| 19 | 18 | 2009/6/8 | 15:12:33 | 2.6 | m/s | | 28.6 | AMTemp | C | |
| 20 | 19 | 2009/6/8 | 15:12:34 | 3.1 | m/s | | 28.7 | AMTemp | C | |
| 21 | 20 | 2009/6/8 | 15:12:35 | 3 | m/s | | 28.7 | AMTemp | C | |
| 22 | 21 | 2009/6/8 | 15:12:36 | 3 | m/s | | 28.9 | AMTemp | C | |
| 23 | 22 | 2009/6/8 | 15:12:37 | 3.1 | m/s | | 28.9 | AMTemp | C | |
| 24 | 23 | 2009/6/8 | 15:12:38 | 2.8 | m/s | | 28.9 | AMTemp | C | |



RS-232/USB PC Interface

Basic settings at a glance

Accessing the Setup mode

dAtE

SP-t

PoFF

bEEP

dEC

SdF

t-CF

tYPE

Setting the Clock Time

dAtE

Setting the Datalogger Sampling Time (Rate)

SP-t

Enabling/Disabling the Auto Power OFF Feature

PoFF

Set the Beeper Sound ON or OFF
bEEP

Numerical Setting (comma or decimal)

20.00

20,00

dEC

SD Card FORMATTING
Sd-F

Set the Temperature Units of Measure (°C or °F)
t-CF

C or F

Set the Temperature Thermocouple Type (J or K)
tYPE



Disposal:

Other Battery Safety Reminders

-
-

General Specifications

Electrical Specifications (Ambient Temperature 23°C ± 5°C)

Air velocity

| Measurement | Range | Resolution | Accuracy |
|--------------|-------------------|------------|------------------------|
| m/S | 0.4 - 25.0 m/s | 0.1 m/S | ± (2% rdg + 0.2 m/S) |
| Km/h | 1.4 - 90.0 km/h | 0.1 Km/h | ± (2% rdg + 0.8 Km/h) |
| mph (Mile/h) | 0.9 - 55.9 mile/h | 0.1 mph | ± (2% rdg + 0.4 mph) |
| Knots | 0.8 - 48.6 knots | 0.1 Knots | ± (2% rdg + 0.4 Knots) |
| FPM (Ft/min) | 80 - 4930 ft/min | 1 FPM | ± (2% rdg + 40 FPM) |

Air temperature

| | |
|-----------------|-------------------------|
| Measuring Range | 0 to 50°C (32 to 122°F) |
| Resolution | 0.1°C (0.1 °F) |
| Accuracy | ± 0.8°C (1.5°F) |

Type K/J Thermocouple Thermometer Temperature

| Sensor Type | Resolution | Range | Accuracy |
|-------------|------------|--|--|
| Type K | 0.1°C | -50.0 to 1300.0°C -100.0° to -50.1C | ± (0.4% rdg+ 0.5°C) ± (0.4% rdg+ 1°C) |
| | 0.1°F | -58.0 to 2372.0°F -148.0 to -58.1°F | ± (0.4% rdg+ 1°F) ± (0.4% rdg+ 1.8°F) |
| Type J | 0.1°C | -50.0 to 1200.0°C -100.0 to -50.1°C | ± (0.4% rdg+ 0.5°C) ± (0.4 rdg%+ 1°C) |
| | 0.1°F | -58.0 to 2192.0°F -148.0 to -58.1°F | ± (0.4 rdg%+ 1°F) ± (0.4 rdg%+ 1.8°F) |

Note: Above specifications tested under an environmental RF Field Strength lower than 3 V/M and a frequency lower than 30 MHz

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www.extech.com

airconcern

more info for Exttech SDL310

Phone: 01235 838 555

Email: cs@airconcern.co.uk

Web: www.airconcern.co.uk

Air Concern Ltd, Building 173 Curie Avenue Harvell Didcot, Oxfordshire