

User Manual

Data Logging Anemometer with NIST-Traceable Calibration

Item Number: 20250-22

Introduction

The Cole-Parmer Data Logging Anemometer measures air velocity within a range of 1.1 to 20.0 m/s and records up to 32,000 readings. Sampling rate, high/low alarm levels, and start mode can be defined by the user with the Windows® 98, 2000, XP, Vista, and Windows 7 compatible software provided. Logged data is downloaded to a computer via the integrated USB interface for analysis, graphing, and print out. The instrument is fully tested and calibration to NIST-traceable standards. Careful use of this meter will provide years of reliable service.

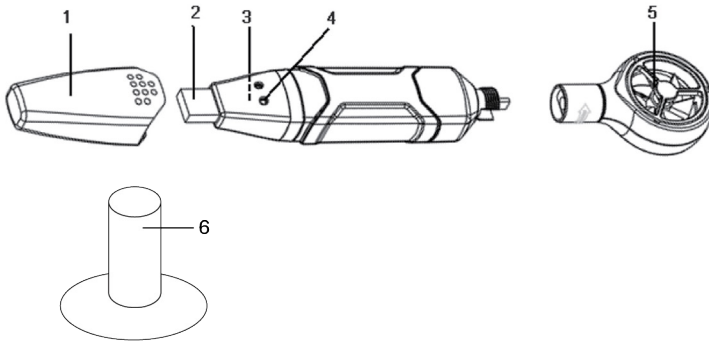
Unpacking

Check individual parts against the list of items below. If anything is missing or damaged, please contact your instrument supplier immediately.

- Data logging anemometer
- Cover
- Fan sensor
- Metal mounting stand
- Software CD
- Battery
- User manual
- NIST-traceable calibration report with data

Meter Description

1. Cover
2. USB interface
3. Start button
4. Indicator lights (record and alarm)
5. Fan sensor
6. Metal stand



Key Features

- Memory for 32,000 readings
- Analyze and graph data with included software
- Selectable sampling interval
- Operating status indicated by red, yellow or green LED light
- User-defined high/low alarm set points
- Two modes (manual and automatic) to start data logging
- Low-battery alarm
- Mounting stand for in-place monitoring

Setup and Operation

Insert the supplied data logging software as follows:

1. Insert the CD into the PC.
2. Double-click the setup.exe file to launch the software installation program.
3. Follow the installation wizard to complete the installation.
4. Upon successful installation of the software the “AnemometerDL” software icon shortcut will be automatically placed on your PC desktop.

To initiate the software, double click on the “AnemometerDL” software icon. An easy-to-follow user interface will display. A complete software user guide can be produced by selecting the “Help” option followed by “contents” from the user interface.

LED Status Guide

LEDs		Indication
REC ○	ALM ○	No LED light flash: — Logging not active — Wrong installment of battery
REC ●	ALM ○	One green flash every 10 seconds (20s or 30s) — Logging, no alarm Green double flash every 10 seconds (20s or 30s) when in manual mode standby — To start logging (press yellow button until 3 green flashes and 1 red flash, it is now logging)
REC ○	ALM ●	One red flash every 10 seconds (20s or 30s) — Logging, low alarm for measurement value Red double flash every 10 seconds (20s or 30s) — Logging, high alarm for measurement value
REC ○	ALM ●	Yellow double flash every 10 seconds — Low battery alarm Yellow single flash every 1 second (5s, 10s, or 15s) — Logging finished

Note: 10 seconds (20 seconds or 30 seconds) can be set up by PC software. When replacing the battery, you need to disconnect the sensor fan first to allow access to the battery compartment.

Specifications

Air Velocity	Range	Resolution	Accuracy
M/S (meters per second)	1.1 to 20.00 m/s	0.01 m/s	±(3% + 0.20 m/s)
KPH (kilometers per hour)	0.8 to 72.0 km/hr	0.1 km/hr	±(3% + 1.0 km/hr)
FPM (feet per minute)	80 to 3937 ft/min	1 ft/min	±(3% + 40 ft/m)
MPH (miles per hour)	0.9 to 44.8 mph	0.1 mph	±(3% + 0.4 mph)
KNT (nautical MPH)	0.8 to 38.8 knots	0.1 knots	±(3% + 0.4 knots)

Memory:	32,000 readings
Selectable sampling intervals:	2s, 5s, 10s, 30s, 1m, 5m, 10m, 30m, 1hr, 2hr, 3hr, 6hr, 12hr, 24hr
Operating temperature:	0 to 50 °C (32 to 122 °F)
Operating humidity:	<80% RH
Weight:	49 g (1.8 oz)
Dimensions:	14.5 x 3.5 x 3.0 cm (5.75 x 1.34 x 1.13 in.)

Notes

This image shows a single sheet of white paper with horizontal blue ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Notes

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

It is recommended that Cole-Parmer products are calibrated annually to ensure proper function and accurate measurements; however, your quality system or regulatory body may require more frequent calibrations.

To schedule your recalibration, please contact InnoCal, an ISO 17025 calibration laboratory accredited by A2LA.



Phone: 1-866-INNOCAL (1-866-466-6225)

E-mail: sales@innocalsolutions.com

Web: coleparmer.com/b/innocal



625 East Bunker Court
Vernon Hills, IL 60061
United States

United States

T: +1.800.323.4340 or
+1.847.549.7600
E: sales@antylia.com
W: coleparmer.com

Canada

T: +1.514.355.6100
E: info@antylia.ca
W: coleparmer.ca

China

T: 86.21.5109.9909
E: sales@antylia.com
W: coleparmer.cn

France

T: +33 (0) 1486 37800
E: fr.sales@antylia.com
W: coleparmer.fr

Germany

T: +49 (0) 9377 92030
E: de.sales@antylia.com
W: coleparmer.de

India

T: +9122 61394444
E: info@coleparmer.in
W: coleparmer.in

Italy

T: +39 (0) 284349215
E: it.sales@antylia.com
W: coleparmer.it

UK

T: +44 (0) 1480 272279
E: uk.sales@antylia.com
W: coleparmer.co.uk

Other

T: +1.847.549.7600