

CEM DT-8880
Hot Wire Anemometer with USB interface



SKU: CEMDT8880BK
 Manufacture warranty period: 12 months

Features:

- Thermal anemometer, available for very low air velocity measurement.
- Slim probe, ideal for grilles & diffusers.
- Combination of hot wire and standard thermistor, deliver rapid and precise measurements
- Records maximum/minimum readings with recall & data hold.
- Microprocessor circuit assures maximum possible accuracy, provides special functions and features.
- Super large LCD display with backlight, reading the air velocity & temp. at the same time.
- Data Hold.
- Power supply by 9V Battery.
- The portable anemometer provides fast, accurate readings, with digital readability
- Multi-functions for air flow measurement: m/s, km/h, ft/min, MPH, Knots & build in temperature °C / °F
- Thermistor sensor for Temperature measurement, fast response time.
- Probe length for shortest 0.32m, 1.15m for the longest elongation. Line Length is 1.75m
- Applications: Environmental testing, Air conveyors, Flow hoods, Clean rooms, Air velocity, Air balancing, Fans/motors/blowers, Furnace velocity, Refrigerated case and Paint spray booths.



General Specifications:

- Display: 46.7 mm x 60mm Larger LCD display. (Dual function meter's display.)
- Data Hold function.
- Memory: Maximum and Minimum with recall.
- Sampling: Approx. 0.8 sec
- Operating Temperature: 0°C to 50°C (32°F to 122°F)
- Operating Humidity: less than 80% RH
- Power Supply: 9V Battery
- Power Current: Approx. DC 60-90mA

Dimension:

- Meter Size (H x W x D): 198mm x 78mm x 51mm
- Weight: 323g
- Probe Length: 30mm to 100mm long
- Probe Cable: 170mm long.

Electrical Specifications:

Air Velocity

- m/s (meter per second)
 - Range: 0.1~25.0m/s
 - Resolution: 0.01m/s
 - Accuracy: $\pm 5\% \pm 0.1\text{m/s}$
- km/h (kilometers per hour)
 - Range: 0.3~90.0km/h
 - Resolution: 0.1km/h
 - Accuracy: $\pm 5\% \pm 0.1\text{km/h}$

- ft/min (feet per minute)
 - Range: 20~492ft/min
 - Resolution: 1ft/min
 - Accuracy: $\pm 5\% \pm 1\text{ft/min}$
- MPH (miles per hour)
 - Range: 0.2~55.8MPH
 - Resolution: 0.1MPH
 - Accuracy: $\pm 5\% \pm 0.1\text{MPH}$
- Knots (nautical miles per hour)
 - Range: 0.2~48.5knots
 - Resolution: 0.1knots
 - Accuracy: $\pm 5\% \pm 0.1\text{knots}$

Air Temperature

- Range: 0°C to 50°C / 32°F to 122°F
- Resolution: 0.1°C/0.1°F
- Accuracy: 1°C / 1.8°F

Package Contents:

- Hot Wire Anemometer with probe
- User Manual
- CD Software
- USB Cable
- Power Supply
- Carrying Case





Data export to excel.

NO.	DATE	TIME	VELOCITY(TEMPERA	FLOW(CM AREA(m2)
1	23-Mar-18	11:10:07 AM	0.4	266.64
2	23-Mar-18	11:10:08 AM	0.395	259.973
3	23-Mar-18	11:10:09 AM	0.08	53.327
4	23-Mar-18	11:10:10 AM	0.069	39.995
5	23-Mar-18	11:10:11 AM	0.224	146.652
6	23-Mar-18	11:10:12 AM	0.926	613.272
7	23-Mar-18	11:10:13 AM	0.355	233.309
8	23-Mar-18	11:10:14 AM	0.347	226.643
9	23-Mar-18	11:10:15 AM	0.421	279.972
10	23-Mar-18	11:10:16 AM	0.605	399.959
11	23-Mar-18	11:10:17 AM	1.092	726.593
12	23-Mar-18	11:10:18 AM	0.649	426.623
13	23-Mar-18	11:10:19 AM	0.649	426.623
14	23-Mar-18	11:10:20 AM	0.477	313.302
15	23-Mar-18	11:10:21 AM	0.455	299.97
16	23-Mar-18	11:10:22 AM	0.313	206.646
17	23-Mar-18	11:10:23 AM	0.695	459.954
18	23-Mar-18	11:10:24 AM	0.69	459.954
19	23-Mar-18	11:10:25 AM	0.392	259.973
20	23-Mar-18	11:10:26 AM	0.288	186.647
21	23-Mar-18	11:10:27 AM	0.134	86.657
22	23-Mar-18	11:10:28 AM	0.123	79.991
23	23-Mar-18	11:10:29 AM	0.112	73.326
24	23-Mar-18	11:10:30 AM	0.121	79.991
25	23-Mar-18	11:10:31 AM	0.077	46.661
26	23-Mar-18	11:10:32 AM	0.213	139.986
27	23-Mar-18	11:10:33 AM	0.242	159.983
28	23-Mar-18	11:10:34 AM	0.251	166.65
29	23-Mar-18	11:10:35 AM	0.225	146.652
30	23-Mar-18	11:10:36 AM	0.223	146.652
31	23-Mar-18	11:10:37 AM	0.212	139.986
32	23-Mar-18	11:10:38 AM	0.189	119.987
33	23-Mar-18	11:10:39 AM	0.166	106.655
34	23-Mar-18	11:10:40 AM	0.132	86.657
35	23-Mar-18	11:10:41 AM	0.068	39.995
36	23-Mar-18	11:10:42 AM	0.174	113.321
37	23-Mar-18	11:10:43 AM	0.286	186.647
38	23-Mar-18	11:10:44 AM	0.33	219.977
39	23-Mar-18	11:10:45 AM	0.141	93.323