CEM DT-8894

CFM/CMM Thermo-Anemometer with InfraRed Thermometer & PC software (70mm Vane)

SKU: CEMDT8894GY
Manufacture Warranty period: 12 months
Country of Origin: China

Introduction

The DT-8894 CFM/CMM Thermo-Anemometer with IR Thermometer measures air velocity, air flow (volume), air temperature (with probe) and surface temperature (with the infrared function). The large, easy to read backlit LCD includes primary and secondary displays plus numerous status indicatores. The infrared feature includes a laser pointer for convenient targeting. In addition, the mater can store 16 area setting dimension for easy recall. Proper use of this meter will provide years of reliable service. The DT-8894 CFM/CMM Thermo-Anemometer also come with interface computer software for real-time monitoring and datalogging features.

Applications

- HVAC installation, repair, diagnostics and optimization
- Fume hood testing, installation and verification
- Ventilation system installation, servicing and analysis
- Environmental wind and temperature testing / analysis
- Boiler rooms
- Linear flow output monitoring
- Automobile aerodynamic testing
- Plant / Facilities Maintenance

Features

- CFM/CMM Thermo-Anemometer with built-in non-contact IR Thermometer measure remote surface temperatures to 500ºC (932ºF) with 30:1 distance to spot ration and laser pointer
- Simultaneous display of Air Flow or Air Velocity plus Ambient Temperature
- Up to 8 easy to set area dimensions (cm2 or ft2) are stored in the meter's internal memory
- 20 points average for Air Flow and Air velocity
- Super large (9999 counts) LCD Backlit Display
- 3% velocity accuracy via low friction 2.83"D (72mm) ball bearing vane wheel on 3.9ft (120cm) cable
- Data hold and Max/Min functions
- Can set Auto Power off or on
- Complete with vane sensor with 3.9ft (120cm) cable, 9V battery, and protective rubber holster
- Real-time monitoring and datalogging function using USB interface cable to computer

Specifications

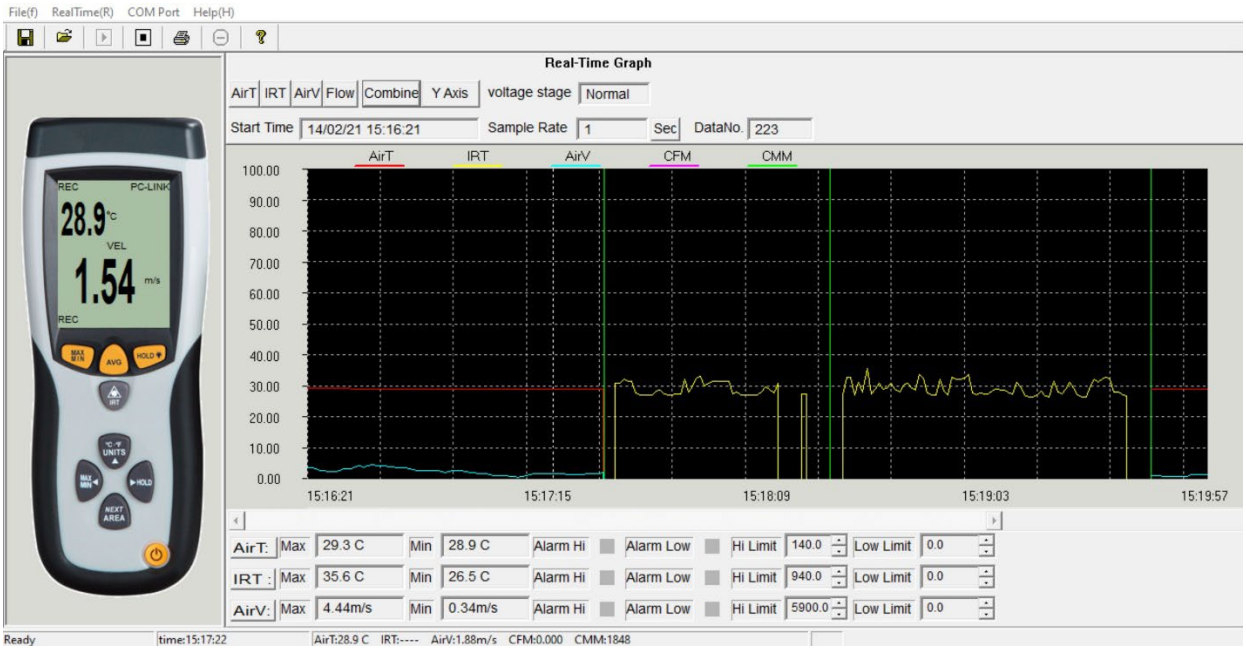
Air Velocity	
Unit: m/s (meter per second)	
Range:	0.40~30.00
Accuracy:	±3% ±0.20m/s
Resolution:	0.01m/s
Unit: ft/min (feet per minute)	
Range:	80~5900
Accuracy:	±3% ±40ft/min
Resolution:	1ft/min
Unit: MPH (miles per hour)	
Range:	1.4~108.0
Accuracy:	±3% ±0.8km/h
Resolution:	0.1km.h
Unit: Knots (nautical miles per hour)	
Range:	0.8~58.0
Accuracy:	±3% ±0.4knots
Resolution:	0.1knot
Air Flow: CFM	
Range:	0-999900
Resolution:	0.001
Area:	0-999.9 ft2
Air Flow: CMM	
Range:	0-999900
Resolution:	0.001
Area:	0-999.9 m2
Air Temperature	
Range:	-10-60ºC(14-140ºF)
Accuracy:	±2.0ºC(4.0ºF)
Resolution:	0.1ºC/ºF
InfraRed Temperature	
Accuracy	±5.0ºC (-50 to -20ºC)
	±2% reading (-20 to 500°C)
Resolution:	0.1ºC/ºF
Distance to spot ration (D:S):	30:1
Emissivity:	0.95
Dimensions	
Main instrument	203mm x 75mm x 50mm
Vane diameter	70mm
Weight	280g

Standard Certification

- CE
- EMC
- EN: 61326

Package includes

1 x DT-8894 meter
1 x Vane probe
1 x USB cable
1 x CD Software (Window interface and data logging software)
1 x User manual
1 x 9V Battery
1 x Hard carrying case



	A	B	C	D	E	F	G	H
1	NO	AirT	IRT	AirV	CFM	CMM	TIME	
2	1	29.2C	----C	3.78m/s	0	3715	02-14-21/15:16:21	
3	2	29.2C	----C	3.52m/s	0	3460	02-14-21/15:16:22	
4	3	29.2C	----C	3.22m/s	0	3165	02-14-21/15:16:23	
5	4	29.2C	----C	2.83m/s	0	2781	02-14-21/15:16:24	
6	5	29.2C	----C	2.68m/s	0	2634	02-14-21/15:16:25	
7	6	29.2C	----C	2.43m/s	0	2388	02-14-21/15:16:26	
8	7	----C	32.2C	`----m/s	----	----	02-14-21/15:17:39	
9	8	----C	31.5C	`----m/s	----	----	02-14-21/15:17:40	
10	9	----C	31.6C	`----m/s	----	----	02-14-21/15:17:41	
11	10	----C	27.7C	`----m/s	----	----	02-14-21/15:17:42	
12	11	----C	27.2C	`----m/s	----	----	02-14-21/15:17:43	
13	12	----C	27.1C	`----m/s	----	----	02-14-21/15:17:44	
14	13	----C	27.0C	`----m/s	----	----	02-14-21/15:17:45	
15	14	----C	27.2C	`----m/s	----	----	02-14-21/15:17:46	
16	15	----C	28.4C	`----m/s	----	----	02-14-21/15:17:47	
17	16	----C	28.5C	`----m/s	----	----	02-14-21/15:17:48	
18	17	----C	27.5C	`----m/s	----	----	02-14-21/15:17:49	
19	18	----C	26.9C	`----m/s	----	----	02-14-21/15:17:50	