

CLARK CS-800 Multi-Purpose Test Instrument

Air Velocity/Wind Speed, Humidity, Temperature, Light Intensity

DESCRIPTION

The CS-800 is a marvelous and economical service tool for use in the factory and in commercial and industrial buildings as well as laboratories for quick checking of ventilating fume hood and grill velocities, humidity, temperature and lighting levels. It is also useful on the farm for checking ventilation and lighting in enclosed livestock facilities as well as compost and critical equipment temperatures. Quick reference to outdoor wind speed is also of interest to farmers, firefighters, environmentalists, weather studies, and sportsmen.

Measuring units and functions are easily selected using the six button touch pad. Reading hold function and Max-Min data record function are standard features.



SPECIFICATIONS

GENERAL

- Display: 8 mm LCD
- Measurement: Air Velocity, Humidity, Temperature, Light
- Operating Humidity: Max. 80% R.H.
- Operating Temperature: 0 to 50°C (32-122°F)
- Over Range Display: "- - - -"
- Power Supply: 9 VDC Heavy Duty Battery (not included)
- Current Consumption: Approx. 6.2 mA
- Weight: 160g(with battery)
- Dimension: 156H x 60W x 33L mm (6.14" x 2.36" x 1.29")
- Options: Carrying case, type K thermocouple probes

AIR VELOCITY(ROTATING VANE ANEMOMETER)

Unit	Range	Resolution	Accuracy
ft/min	80 to 5910	1 ft/min	
m/s	0.4 to 30.0	0.1 m/s	±3% F.S. < 20 m/s
km/h	1.4 to 108	0.1 km/h	±4%F.S. > 20 m/s
knots	0.8 to 58.3	0.1 knots	

HUMIDITY(THIN FILM CAPACITANCE SENSOR)

Unit	Range	Resolution	Accuracy
% RH	10-95	0.1% RH	±4% reading. < 70% RH ±4% reading. > 70% RH +1.2%

LIGHT(PHOTO DIODE AND COLOR CORRECTION SENSOR)

Unit	Range	Resolution	Accuracy
Lux	0 to 20,000	1 Lux	±5% reading. ±8 digits
Ft-cd	0 to 2000	1 Ft-cd	

TEMPERATURE (BUILT-IN THERMISTOR)

Displays along with Air Velocity or Humidity function

Unit	Range	Resolution	Accuracy
°F	32 to 122	0.1°F	±2.5°F
°C	0 to 50	0.1°C	±1.2°C

External type K probes are supplied with mini thermocouple plug

Unit	Range	Resolution	Accuracy
°F	-148 to 2372	0.1°F	±1% reading +2°F
°C	-100 to 1300	0.1°C	±1% reading +1°C

TP-01



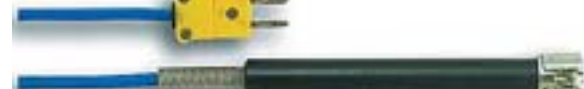
TP-02A



TP-03



TP-04



ORDERING INFORMATION

Model	Description
CS-800	Multi-purpose test Instrument
CA52A	Carrying case with sash for model CS-800
TP-01	Naked bead probe, -40 to 250°C(-40 to 482°F)
TP-02A	General purpose, -50 to 900°C(-50 to 1600°F) 10 cm x 3.2 mm diameter
TP-03	Immersion Probe, -50 to 1200°C(-50 to 2200°F) 10 cm x 8 mm diameter
TP-04	Surface probe, -50 to 400°C(-50 to 752°F) 12 mm L, 15 mm diameter sensing head
TP-CP	Compost insertion probe, -40 to 250°C(-40 to 482°F) 36" L, 6.25 mm diameter