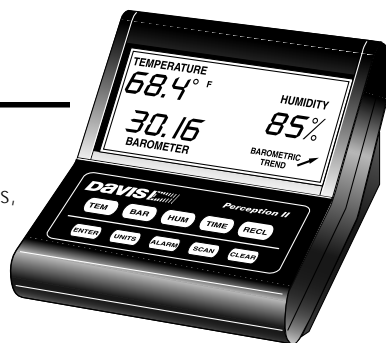


PERCEPTION II® STATION

7400
STATIONS

The Perception II station features the following: inside temperature and humidity sensors, barometer, and console. The console provides A/D conversion, calculations, and data display. A DC-power adapter is included. The WeatherLink, an optional feature, provides data logging and a serial interface to a computer.



SPECIFICATIONS

General

Operating Temperature	-5° to 140° F (-20° to 60° C)
Display Temperature	32° to 140° F (0° to 60° C)
Supply Power (adapter included)	16 mA (typical) at 10 to 16 V (100 mA when display is illuminated)
Housing Material	Black ABS plastic
Display Type	LCD
Dimensions	
Console	5.25" x 5.4" x 3.0" (133 mm x 137 mm x 76 mm)
Display	4.4" x 1.9" (112 mm x 48 mm)
Weight, total	3 lbs. 6 oz. (1.53 kg)

Sensor Inputs

RF Filtering	RC low-pass filter on each signal line
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Sensor Outputs (as displayed on console)

General

Update Interval	16 seconds
Times and Dates of Maximum and Minimum Values . . .	Stored with value

Inside Temperature (Air) (sensor located inside console)

Resolution and Units	0.1°F or 0.1°C (user-selectable)
Range	32° to 140° F (0° to 60° C)
Accuracy	±1°F (±0.5°C)
Functions	Current Temperature (high and low alarms), Maximum and Minimum Temperatures

Barometric Pressure (sensor located inside console)

Resolution and Units	0.01" of Hg, 0.1 mm of Hg, or 0.1 hPa (user-selectable)
Range	26.00" to 32.00", 660.0 to 810.0 mm, 880.0 to 1080.0 hPa
Accuracy	±0.05", ±1.3 mm, ±1.7 hPa (at room temperature)
Trend (change in 1 hour)	±0.2", ±5.0 mm, ±7.0 hPa
Functions	Current Barometric Pressure, Current Barometric Pressure Trend, Stored Barometric Pressure Reading

Relative Humidity

Range	0 to 100% RH
Accuracy	±5%
Functions	Current Inside Relative Humidity (high and low alarms), Maximum and Minimum Relative Humidity Values

Time

Accuracy	±15 seconds/month
Functions	Current Time, Current Date

STATION CONNECTION DIAGRAM

Perception II Connection Diagram

