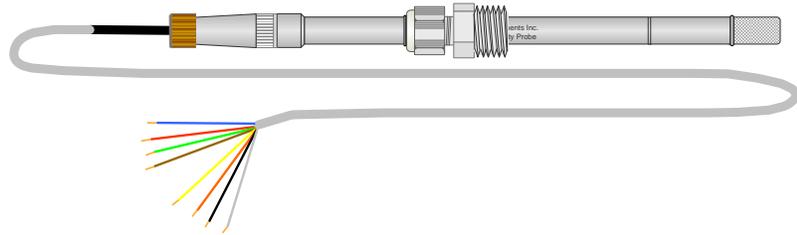


Standard Probe Comes with 1/2" Male NPT Penetration Fitting



Using the HP125 Multi-Sense Humidity Probe

The HP125 Multi-Sense Humidity Probe is a cost effective, easy to use solution to many industrial and laboratory challenges. The HP125 probe exploits the latest advancements in polymer humidity sensing technology and compact electronic circuitry. It is designed to continuously measure up to 4 measurement parameters using a single intelligent sensor tip. The smart tip can continuously measure up to four parameters including RH%, calculated DewPoint, temperature and either absolute pressure or barometric pressure!

New improved sensor platform offers up to 4 measurements in a single sensor tip

Relative Humidity – Temperature – DewPoint – Absolute Pressure

Pick and choose measurements as needed for your application and budget!

New, easy to use Replaceable sensor tip: Easy On – Easy Off! SAVE MONEY!

Plus, the Smart Sensor Tip has local memory to inform the main probe electronics of all configuration information and calibration data! Easily replaced, the Smart Sensor Tip can be replaced in seconds. Upon installation into the probe, it gets recognized and automatically synchronizes with the main software within the HP125 probe. This means that you have the option of quick turn-around for annual calibrations! No need to take the probe out of service for weeks for shipment and calibration off-site. Simply replace the old Sensor Tip with a new one! Each new tip comes with a NIST traceable calibration certificate for your records.

The HP125 probe provides 0-10VDC analog voltage outputs plus an RS-232 serial interface. The RS-232 offers reporting functions only. Each probe is configured with a smart sensor tip. The sensor tip is protected by a sintered metal filter cartridge. Both the filter and the sensor tip are replaceable. The probe may be directly inserted into process measurement points or may be coupled with a variety of application oriented sampling accessories for very flexible installation opportunities.

The probe may be used Stand-Alone or in combination with the HP125 -DCM (Display Control Module) or the SENTRY series of Compressed Gas Alarm Modules. The probe comes with wire leads (labeled) for respective analog output and power inputs (25VDC Power).

Comes with 24Vdc input power, RS232 (poll only- text string output of measured parameters), NPT pipe thread Penetration fitting, instruction manual and one year warranty.

The HP125 may be used in the simplest configuration for ambient air monitoring or it can be mounted remotely for direct insertion into glove boxes, HVAC ducts, environmental test chambers, circulation pipes, refrigerated storage rooms, engine test filter rooms, and many other manufacturing environments.

The HP125 control module offers many standard features including:

- Replaceable Smart Sensor Tip
- Analog Voltage Output (0-10VDC) for each measured parameter
- RS-232 Serial Interface for reporting function
- Replaceable Sintered Filter Element protects the sensor
- 24VDC Power Input

Common Applications of the HP125

HVAC Duct Systems

Purged Atmosphere: Glove Box

Environmental Chambers

Isolation Chambers: PHARMA

Engine Testing: Air Intake& Exhaust

Modified Atmosphere Packaging

SEMICON: Furnace/ Lithography

Medical Packaging

Dryer Efficiency

Pharmaceutical Testing

Biologics & Cell Culture

Fluidized Beds

Food Storage / Packaging

Clean Rooms & Data Centers

HOW TO ORDER THE HP125 PROBE:



1. **Select HP125 smart sensor probe measurement parameters**

HP125 : RH / Temperature / Calculated Dew Point

HPP125 : Pressure / RH / Temperature / Calculated Dew Point

HPB125 : Barometric Pressure / RH / Temperature / Cal. DPoint

2. **Choose Dew Point Range**

Standard is -40C to +125C **do not add any designation**

-LDP Optional is -60C to +125C

3. **Choose Penetration Fitting:** Standard is ½ inch NPT, Optional ¾ inch NPT

4. **Select probe cable length: 1 meter or 2 meters** (cable ordered separately)

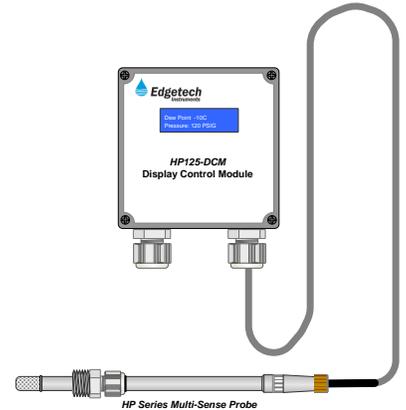
-1M CABLE LENGTH 1 METER

-2M CABLE LENGTH 2 METER

HOW TO ADD THE HP125-DCM DISPLAY CONTROL MODULE

STANDARD HP125-DCM BASE PRICE:

The HP125-DCM constantly displays PROBE parameters (up to 4) on the local 2 line LCD Display. Two configurable relay alarms (1FORM A) are provided- power on alarm is standard. Power 24 VDC. Other standard features include two analog outputs (4-20mA or Analog voltage- factory set but field configurable), RS232 (bi-directional- Configurations will be factory set but field adjustable via RS-232 link. Instruction manual and NIST traceable calibration certificate supplied. Warranty period is 1 year on all parts and labor. **Must order probe separately**



DISPLAY

DISPLAY is standard do not add any designation

-ND NO DISPLAY. Primarily if you are embedding the control unit & remote monitoring the measurements

POWER:

24 VDC STANDARD do not add any designation

-VAC UNIVERSAL VAC POWER ADAPTER- Plugs into standard wall outlet

RELAY OPERATION:

TWO - FORM A (Normally Open, SPST- power in alarm) STANDARD do not add any designation

-F Two - FORM C Fail Safe Relays. Power Off = Alarm Mode. For critical applications.

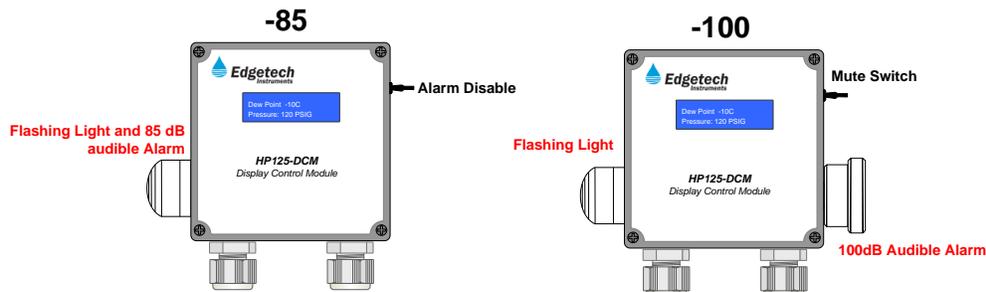
Enclosure length increases by 2 inches

Alarms: Optional audible / visual alarms added to side chassis of DCM. Consumes one alarm contacts.

-85 Dual 85dB Audible & Simulated Strobe LED Alarms + Alarm Disable Switch

-100 Individual 100 dB Audible & Simulated Strobe LED + Mute Switch

Please define setpoints.



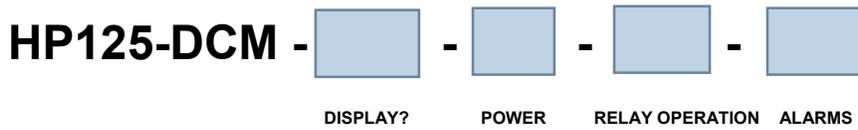
Edgetech Instruments Inc.

An ISO 9001 Certified Company

399 River Road . Hudson . MA . 01749

Main: +1 (508) 263-5900 . Fax:+1 (508) 486-9348 . www.edgetechinstruments.com

TO ORDER THE HP125-DCM Display Control Module:



Select Sampling Accessories (optional, ordered separately)

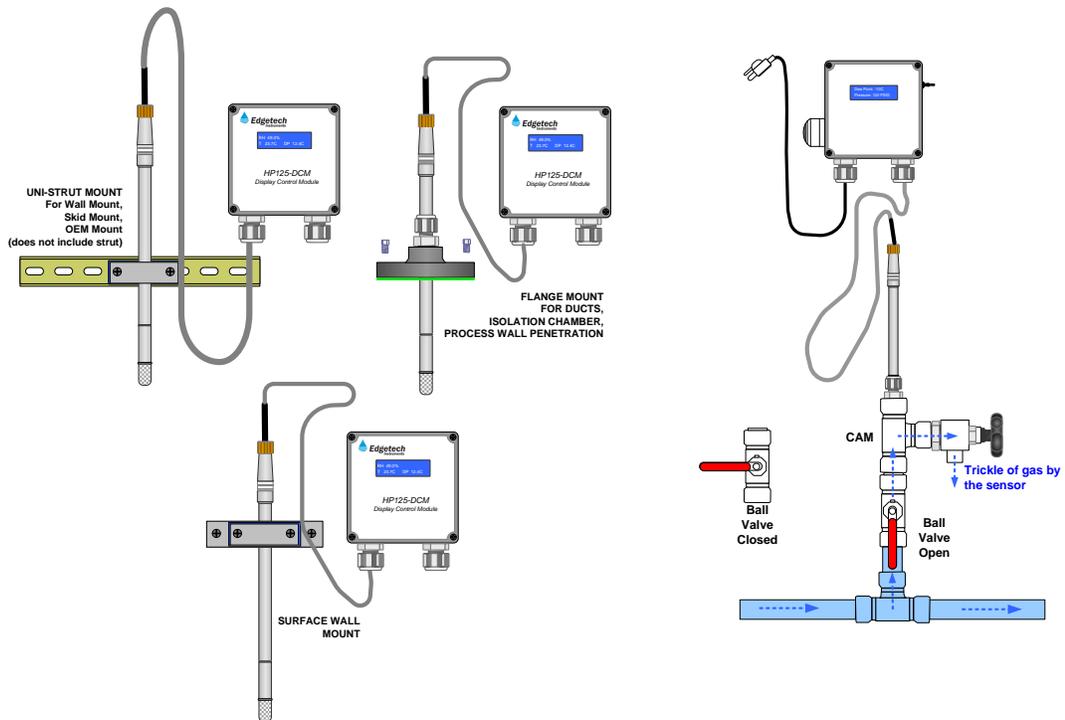
CAM Compressed Air Module Includes Isolation valve and metered sample flow.

-FSS SS Pipe Flange Mount w/ Gasket, Rated for 300 PSIG, The HP125 gets installed into a 3.75 inch diameter 304 SS Threaded Pipe Flange, 4 bolt install, includes rubber gasket. For use with Pipe Flanges, Isolation chamber, and HVAC DUCT mounting

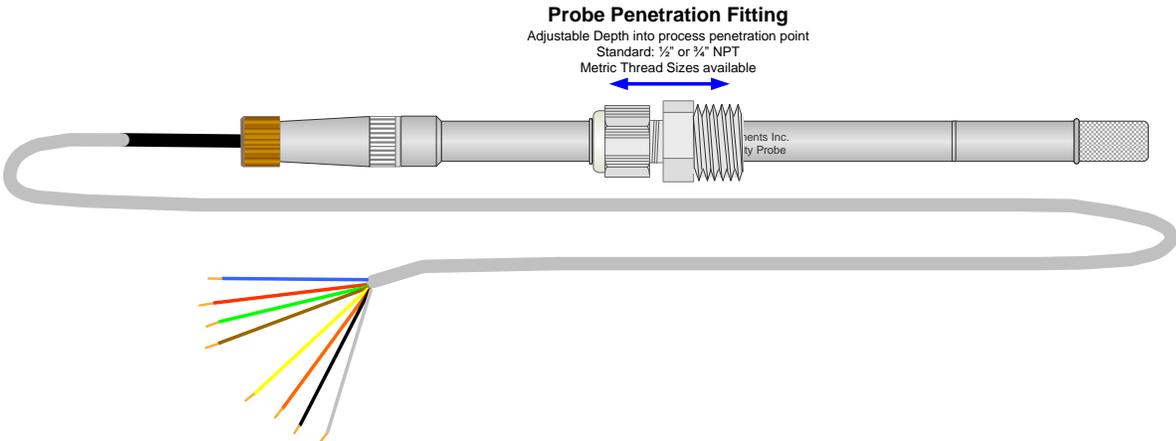
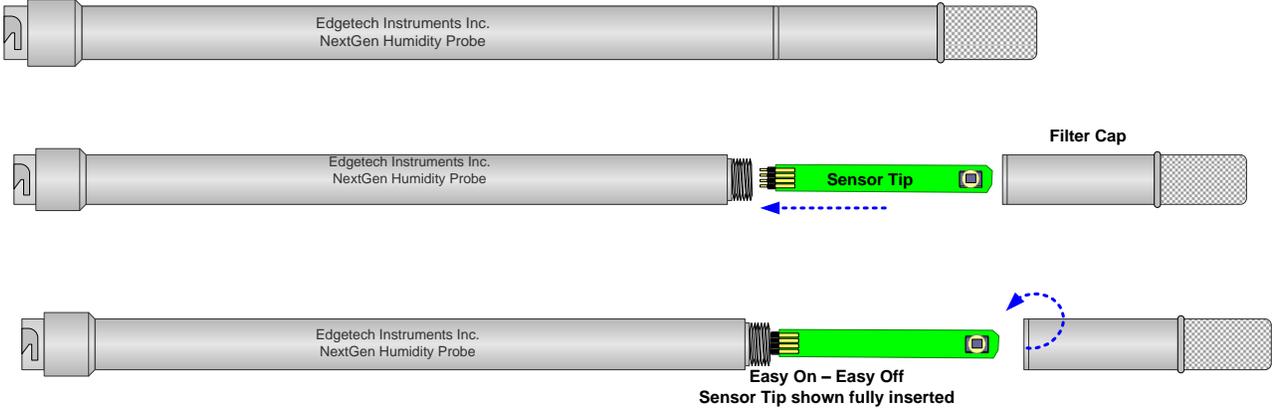
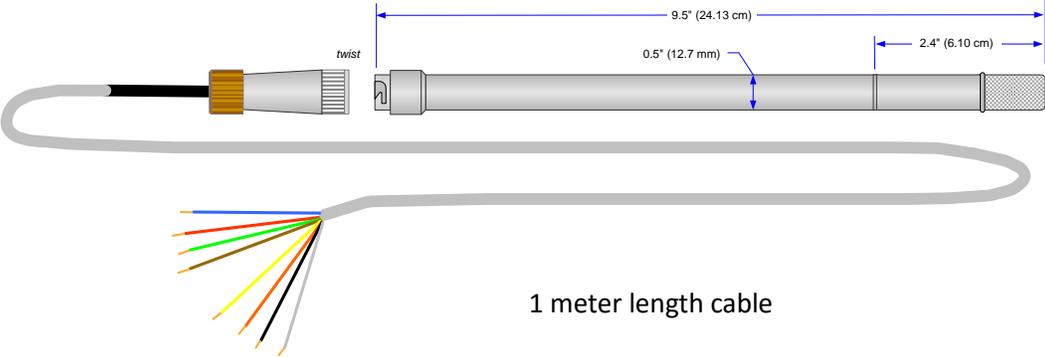
-FPVC Dark Gray PVC Pipe Flange Mount w/ Gasket, Rated for 150 PSIG, The HP125 gets installed into a 3.5 inch diameter PVC Threaded Pipe Flange, 4 bolt install, includes rubber gasket. For use with Pipe Flanges, Isolation chamber, and HVAC DUCT mounting

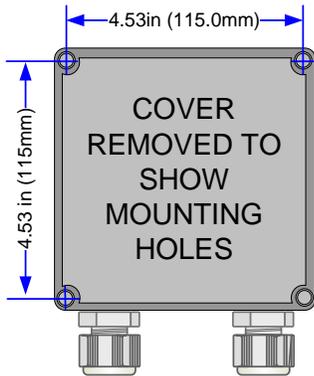
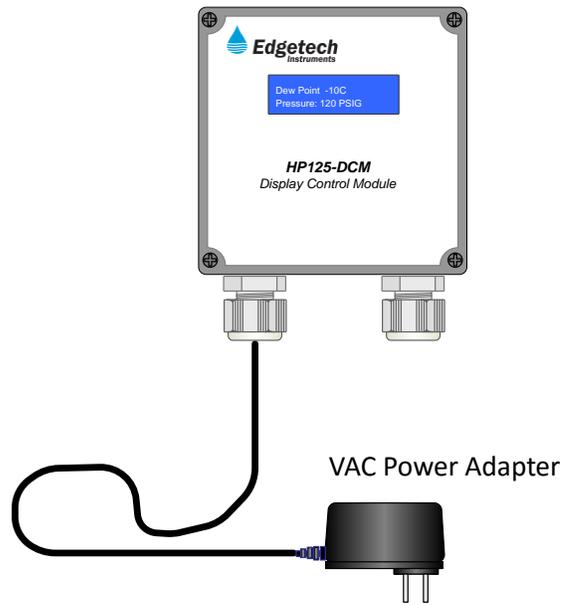
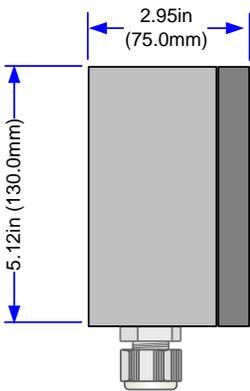
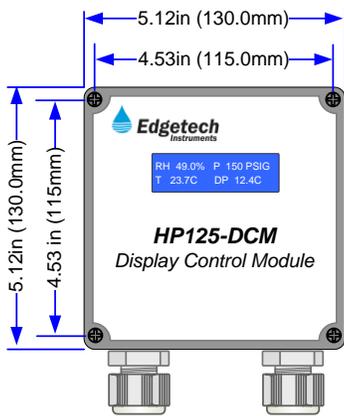
-SM Surface Wall Mount, The D-Probe is retained between two polypropylene blocks w/ bracket

-US Uni-Strut Mount, Same as the surface mount except the blocks are mounted on a unistrut clamp. Does not include Uni-Strut.

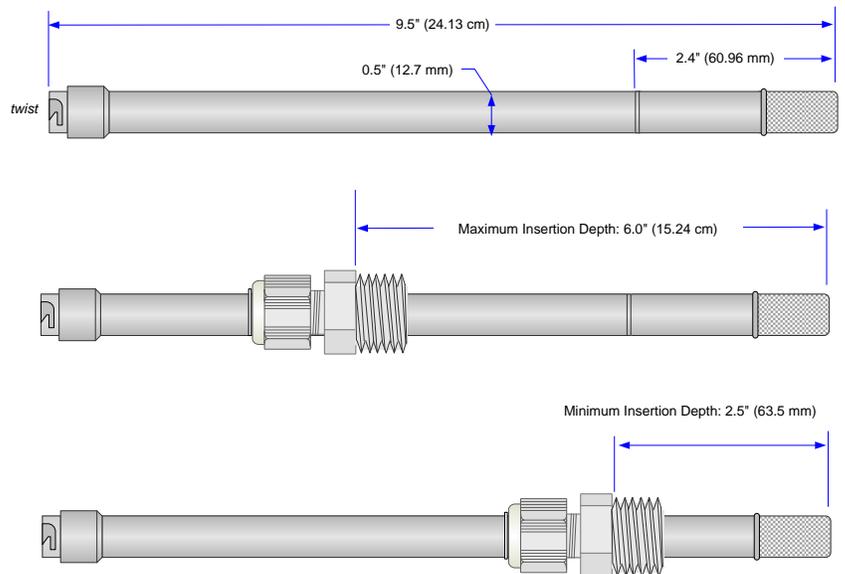


Dimensions





Penetration Fitting Positioning



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