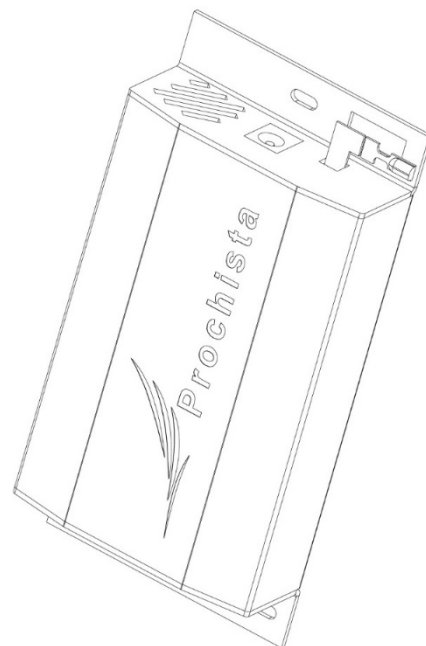**Prochista**

Smart Technology

Temperature and Relative Humidity Sensor

(Ethernet)
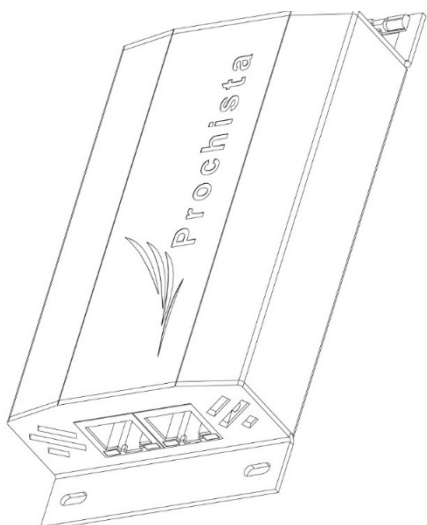
Part No.   PCT-EH05DTH0119

Document No.   940105119-1/1

This sensor enables your monitoring system to monitor a location's temperature and relative humidity.

Using SNMP this sensor can be integrated with many different tools such as Schneider, Emerson, Prochista DCM, IO, Nlyte, iTracs, HP OpenView, IBM Tivoli, CA, BMC, Modius, MRTG, Cacti, Nagios, Zenoss, ManageEngine, Ipswitch WhatsUp, Paessler PRTG, Solarwinds & more ...

- The unit has a built-in web server that you can access to configure, read sensor data, and define alerts.
- The unit can operate with PoE power supply for easy installation. Also you can use external 48VDC power supply if you don't have PoE enabled switch on the site.
- 2 internally bridged LAN interfaces for ring network configuration (without using network switch).
- Accurate Swiss made factory trimmed sensor.
- Design for wall mounted and rack mounted installation.

Installation

To function properly, the unit must be oriented upward (upward direction marked on enclosure). Install the sensor in a location that represents the air to be monitored. Avoid placing the sensor anywhere that may affect the sensor reading, such as near windows, room entrances, air ducts, other heat sources, or in direct sunlight.

Specification

Electrical	
External Input voltage	48 VDC (± 10%)
Input current	Max 33 mA
Power consumption	Max 1300 mW
Network	
Protocol support	HTTP, SNMP v1,SNMP v2, SNMP v3, SNMP Trap, DHCP, DNS, ICMP
LAN Interfaces	2 x 10/100 Mbps (Internally bridged)
Power over Ethernet (PoE)	IEEE 802.3af
Max cable length	depending on cable quality up to 100m
Sensor	
Temperature resolution	> 0.04°C
Temperature accuracy	0.3°C
Temperature repeatability	0.1°C
Temperature long term drift	< 0.04°C/yr
Humidity resolution	> 0.4 %RH
Humidity accuracy	2.0 %RH
Humidity repeatability	0.1 %RH
Humidity long Term drift	< 0.5 %RH/yr
Environmental conditions	
Operation Temperature Range	-10°C –70°C
Operation Humidity Range	95%RH or less (without dew condensation)
Recommended Storage Temperature	-20°C – 85°C

Configuration

For configuring the unit simply login into unit's webpage, by default the unit boots in static IP mode .The unit's default IP is "172.16.0.1", default Username is "admin" and default Password is "prochista".

Note: For reloading default settings, hold the reset button on power up for at least 3 seconds (reset button is located behind the unit)

Mechanical Dimension