

NETWORK SENSOR CLUSTERS

**Standard Model Can Contain Temperature, Differential Pressure, Barometric Pressure, Humidity and Air Flow
All as One Data Set From One Node**

These Units Provide User with Direct Digital Data in Scaled Engineering Units. The Ethernet Option Allows the Unit to be Directly Connected to Any Standard Network. For 485 Networks, Up to 32 Modules can be Utilized with No Reduction in Data Collection Performance as System Grows.

**High-Polished
Stainless Steel
Enclosure**

**Ethernet Models
Each Have Own
IP Address**



**Each Module
Operates
Independently**

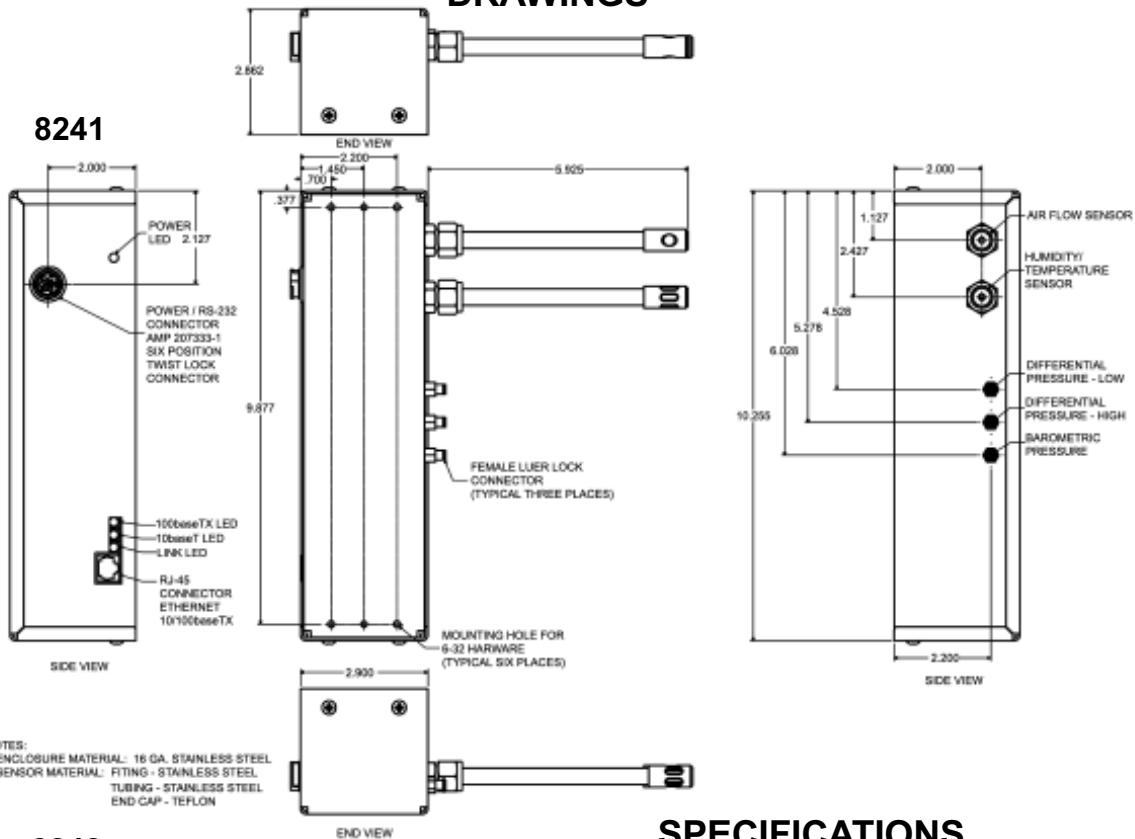
**Various Sensor
Configurations**

The Network Sensor Cluster is a Small yet Very Powerful Unit with Self-Contained Sensors, Local Analog Signal Conditioning, Local 16 bit A/D Conversion, a Microprocessor for Linearization and Control, Plus an Option of either RS485 or Ethernet Communications Interface.

PROCON from JPC CONTROLS
www.jpcccontrols.com

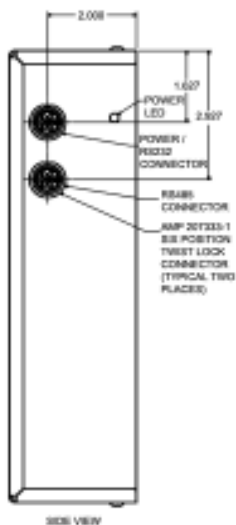
DRAWINGS

8241



NOTES:
 1. ENCLOSURE MATERIAL: 16 GA. STAINLESS STEEL
 2. SENSOR MATERIAL: FITING - STAINLESS STEEL
 TUBING - STAINLESS STEEL
 END CAP - TEFLON

8242



MODEL NUMBER	VERSION
8241	Ethernet
8242	RS485

SPECIFICATIONS

BAROMETRIC PRESSURE RANGE	20.00 to 30.55 mmHg +/- 1%
DIFFERENTIAL PRESSURE RANGE	-4.00 to 4.00 in H ₂ O +/- 1%
TEMPERATURE RANGE	0 to 50 Degrees C +/- 0.1 C
HUMIDITY RANGE	10.0 to 90.0 %RH +/- 2%
AIR FLOW RANGE	30.0 to 150.0 FPM +/- 5%
SETUP MEMORY	EEPROM, All Parameters
MEMORY RETENTION	10 Years w/o Power
OPERATING RANGE	0 to 50 Degrees C
STORAGE RANGE	-40 to 60 Degrees C
CONSTRUCTION	Enclosure - Stainless Steel
SIZE	7.09 x 3.94 x 1.56 inches 180 x 100 x 40 mm (HxWxD)
WEIGHT	< 2 lbs. (0.90 kg)
CONNECTIONS	Power - Circular, Twist Lock RS-232 - Circular, Twist Lock Pressure - Female Luer Ethernet - RJ-45
POWER	24 VDC, 100 mA
POWER CONSUMPTION	2.4 W



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LS-J8240-01