

N350 Noninvasive Pressure Sensor



This Non Invasive Pressure sensor is a small-diameter tubing sensor consisting of two parts assembled together. One part is a low-cost disposable flow module, while the other is a reusable pressure sensor.

The sensor can be used to detect pressure in tubing up to 0.25" in diameter. Ideal for high sanitary applications in biopharmaceutical and medical device industries.

Product Specification:

Pressure Range:	30 PSIG	
Body Material:	6061-T6 Aluminum, Black Anodize	
Overload Pressure:	60 PSIG	
Overload Protection:	10-15 Pounds Force	
Supply Voltage:	5-24 VDC	
Operating Temperature:	0 to 60°C	
Storage Temperature:	-10 to 80°C	
Sensor Pinout:	Pin # (Molex 53047-0510)	Function
	1	VCC
	2	I2C SCL
	3	I2C SDA
	4	Analog Out
	5	GND
Sensor Specifications:	Output	I2C and 0-5 V Analog
	Zero PSI*	1677824 ±670720 I2C Counts 0.5±0.2 VDC
	Span*	13421568 ±268288 I2C Counts 4.0±0.1 VDC
	Accuracy*	±2% Typical

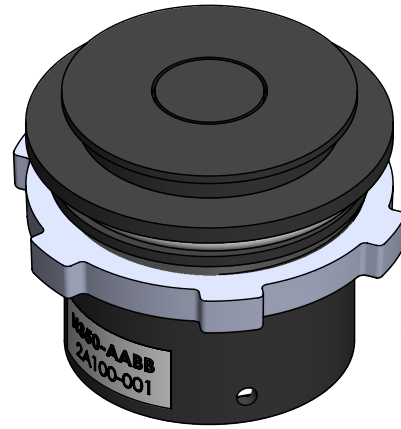
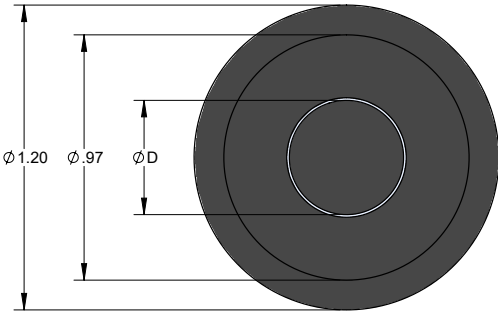
*Values at room temperature

Features:

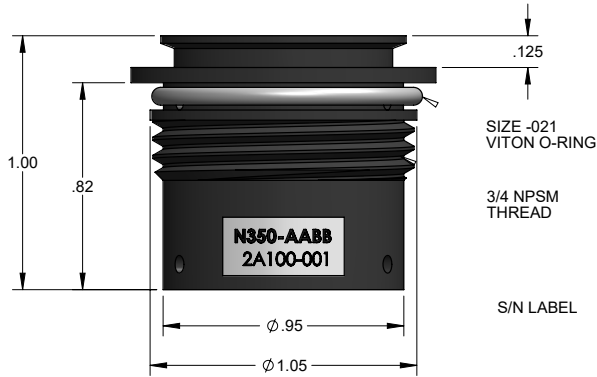
- Accuracy
- Disposable Dome
- Low Power Consumption
- Long Term Stability
- Noninvasive
- Economical

Applications:

- Medical Devices
- Industrial Fluid Handling
- Food Processing
- Laboratory Instruments



316 STAINLESS STEEL NUT:
MCMaster PN 7513K318



NOTES:

1. CALIBRATED WITH DISPOSABLE PRESSURE INTERFACE, PN: SMD7615 (DISPOSABLE MEMBRANE HOUSING)
2. SOLD SEPARATELY CABLE WITH CONNECTOR PN: SMD7720 (CABLE, 18" LENGTH)
3. ANALOG OR DIGITAL CAN BE USED

PART NUMBER SAMPLE:

N350-3078 IS A 30PSI SENSOR, 0x78 ADDRESS (DEFAULT).

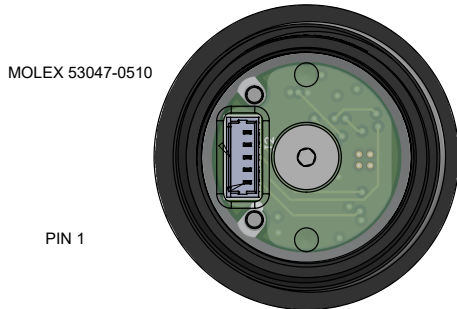
N350 - AA BB
PRESSURE — ADDRESS

PART NUMBER TABLE

PRESSURE (AA)	"D"	ADDRESS (BB)
30 30PSI	.45"	78 0x78 (DEFAULT)

BB: I2C ADDRESS

18: 0x18
28: 0x28
38: 0x38
48: 0x48
58: 0x58
68: 0x68
78: 0x78



Re-Usable
Pressure Sensor

Disposable Pressure
Isolator (Snap On)

