



35CP Series Industrial Pressure Transducer

Description

The 35CP series is ideal for general industrial applications where long-term reliability & accuracy is a must. This series provides proven reliability at a competitive price. Sensata Technologies has been a leading global supplier of pressure sensors & switches for over 50 years.

Product Features

- Enhanced accuracy over wide operating range.
- Housing options are compatible with most media
- EMC protection to 100 V/m
- Broad operating temp. range (-40°C to +135°C)
- Exceptional shake and vibration tolerance
- Overvoltage and reverse polarity protection
- Small size and simple installation"

Applications

- Compressors & Water Pumps
- Hydraulics & Pneumatics
- Agriculture & Construction Equipment
- Transportation & Off Road Vehicles
- Engine Controls & Monitors
- Alternative Energy Management
- Process Control & Automation
- Medical"

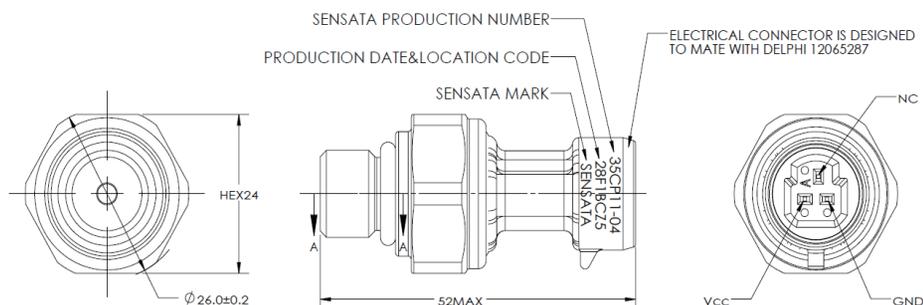
Specifications

Operating Pressure Range	0-5,10bar,16bar,25bar,40bar,50bar
Accuracy	±0.5%F.S. or ±1%F.S.(Linear, Hysteresis, Repeatability, Calibration)@25°C, 5.0VDC
Total Error Band	±2.0% (-20°C ~+85°C)
Operating Temperature Range	-40°C ~+135°C
Storage Temperature	-40°C ~+150°C
Proof Pressure	3X (0-5 through 16bar), 2X(0-25 through 50bar)
Burst Pressure	5X (0-5 through 16bar), 3X(0-25 through 50bar)
Pressure Life Cycle	5M Full Span Cycles (≤ 40bar) 2M Full Span Cycles (50bar)
Vibration	10g (50-2000Hz)
Drop	1.5m
Output Signal	1~5VDC or 0.5~4.5VDC Ratiomatic (5VDC power supply) 4~20mA (8~30VDC power supply)
Response Time	<10 mS
Over Voltage	20VDC(Voltage output), 40VDC(Current Output)
Reverse Voltage	-14VDC Voltage output), -40VDC(Current Output)
Short Circuit Protection	Yes
EMC (512MHz-1GHz)	100 V/m
EMC (1 MHz-512 MHz)	50 V/m
ESD (CDF-AEC-Q100-002)	15 Kv
Certification	RoHS, REACH

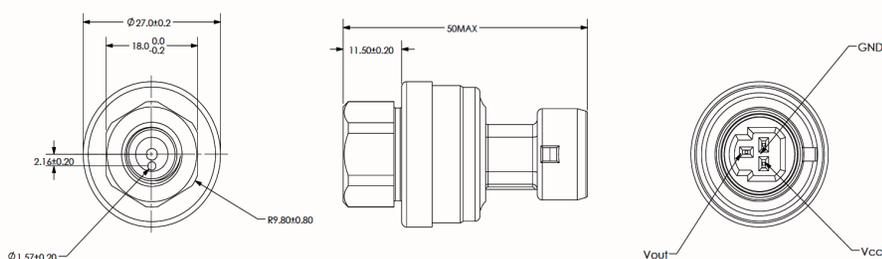
*Please contact Sensata Technology engineer for any special requirement.

PRESSURE SENSORS

35CP Series: Stainless Steel Port



35CP Series: Brass Port



命名规则

35CP 1 1 - 16 2 010 Y S 00 M 1 H C

Product Family
35CP=Series Number

Accuracy
1= ± 1%FS
2= ± 0.5%FS

Electrical Isolation
1=Normal
2=Isolated

Pressure Fitting
16= G 1/4 Male
15= 7/16-20UNF-2B Female

Electrical Connector
2=Packard Metri-Pack

Operating Pressure Range
0~10bar(010),0~50bar(050)

Media Compatibility
C=Water, Humidity Air

Sealing Material
H = HNBR E = EPDM

Port Material
1=SS304

Operating Temperature Range
M= -20~85°C
H= -20~120°C

Harness Length
00= 0.0 Meter
01= 0.1 Meter

Reference Pressure
G = Guage
S = Sealed Guage
A = Absolute

Output / Input
Y=4~20mA / 10~32Vdc
X=0.5~4.5Vdc / 5.0 ± 0.5Vdc