



## 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"

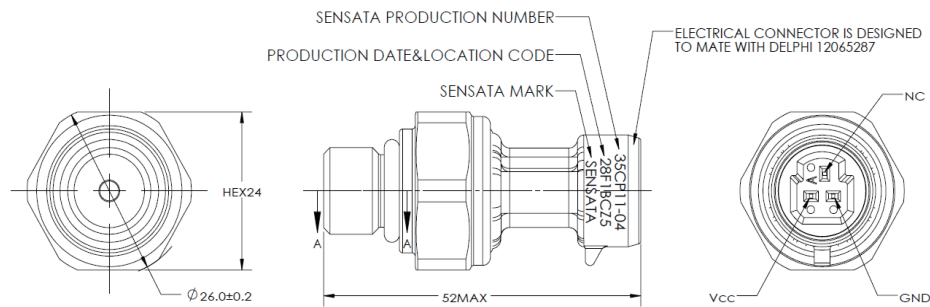
### Specifications

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

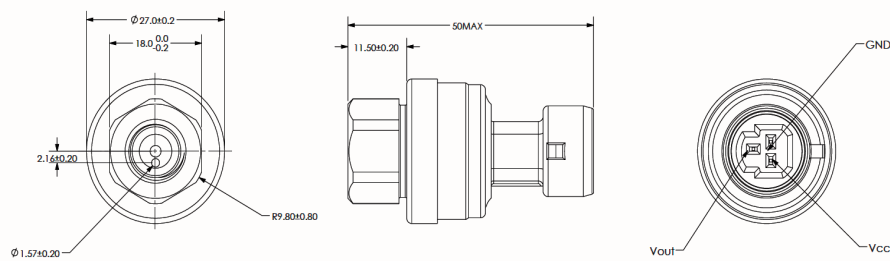
\*Please contact Sensata Technology engineer for any special requirement.

# 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℃  
H= -20~120℃

**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