



# AV40FM Flush Mount

Non Oil Filled Pressure Sensor



# Performance@25°C (77°F)

Accuracy\*  $<\pm0.5\%$  BFSL, typ. Stability (1 year)  $<\pm 0.25\%$  FS, typ.

Over range Protection 2X rated Pressure (4X optional) Burst Pressure 5X or 15,000psi(whichever is less)

>100 Million Pressure Cycles

| Output   | Excitation             | Zero Offset | Span Tolerance |
|----------|------------------------|-------------|----------------|
| 4-20mA   | 10-28VDC               | <±1% of FS  | <±1% of FS     |
| 10mV/V** | 10V excitation as max. | <±2% of FS  | <±2% of FS     |

\* Accuracy includes non-linearity, hysteresis & non-repeatability

\*\* 10VDC, Maximun

### **OVERVIEW**

Ideal for applications that require no dead volume from the point of contamination and easy of cleaning in applications such as food and beverage, sterilization equipment, hot waxes and glues, grease pumping, paint and thinners, mud pumping and ballast tanks. Standard wetted materials are 316L and 17-4PH stainless steels with the options of 316L and Inconel, 316L and Hastelloy or all Inconel for corrosive and abrasive media.

#### **BENEFITS**

- \* Easy to clean
- \* Ideal for corrosive and abrasive media.

### **APPLICATIONS**

- \* Food and beverage
- \* Sterilization equipment
- \* Hot waxes and glues
- \* Grease pumping
- \* Paint and thinners
- \* Mud pumping
- \* Ballast tanks

# KOMEN

### Physical Description

Wetted Material 17-4PH, 316L, Inconel 718

(Optional)

**Electrical Connection** M12x1-4P, Solder Pins

# **Environmental Data**

#### **Temperature**

-40 to 125°C (-40 to 257°F) Media -20 to 125°C (-4 to 257°F) Operating -40 to 125°C (-40 to 257°F) Storage

#### **Thermal Limits**

Compensated Range -20 to 85°C (-4 to 185°F)

TC Zero <+1% of FS TC Span  $<\pm1\%$  of FS

#### Other

Shock 50G, 11 msec, 1/2 sine Vibration ±20g, MIL-STD-810C,

Procedure 514.2-2, Curve L

**EMI/RFI** Protection Yes

IP-66 (Standard) Rating





# For Example:-



|   | Corios | Code   | Description |   |
|---|--------|--------|-------------|---|
| U | Series | AV40FM |             | 5 |

|   | Header :<br>Thread : | 9 | 9/16-18 UNF Male |
|---|----------------------|---|------------------|
| ) |                      | Υ | G1/2 Male        |
|   |                      | Z | G1/4 Male        |

000

|   | Duo              | Code | Description |
|---|------------------|------|-------------|
| 2 | Pressure<br>Unit | В    | bar         |
|   |                  | Р    | PSI         |
|   |                  |      |             |

| \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | Р | 17-4PH      |
|--|---|-------------|
| Wetted<br>material                     | L | 316L-SS     |
| maremar                                | С | 718 Inconel |

|                   | 000     | Standard Pressure Range (3-Code) |
|-------------------|---------|----------------------------------|
|                   |         | 050                              |
|                   | 50BAR   | 070                              |
| Pressure<br>Range |         | 100                              |
|                   | То      | 250                              |
|                   | 1000BAR | 400                              |
|                   |         | 700                              |
|                   |         | 01K                              |
|                   |         | 50BAR<br>Pressure<br>Range To    |

| 8 | Electrical | 1 | Solder Pins |
|---|------------|---|-------------|

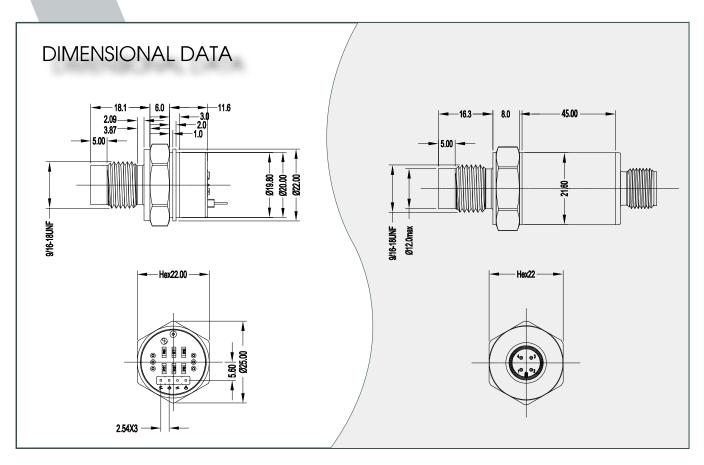
M12x1 - 4P

4-20mA

10mV/V

| 9 | Options | Code | Description                       |
|---|---------|------|-----------------------------------|
|   | Code    | 000  | No Special Options (3-Digit Code) |

| 4 | Pressure<br>Type | S | Sealed Gauge |
|---|------------------|---|--------------|
|   | туре             |   |              |



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Output