# **TPFADA** FLUSH DIAPHRAGM PRESSURE TRANSMITTER WITH DIGITAL AUTOZERO & SPAN



#### Main features

- Ranges: from 0...10 to 0...1000 bar
- Output signal 4...20mA 2-wires / 0.1...5.1Vdc / 0.1...10.1Vdc / 0...5Vdc / 0...10Vdc / 1...5Vdc / 1...6Vdc / 1...10Vdc
- Protection rating: IP65/IP67
- Wetted parts: 17-4PH Stainless Steel
- Flush fitting stainless steel measuring diaphragm
- Digital Autozero & Span function

TPFADA Series flush diaphragm pressure transmitters are based on bonded strain gauge on stainless steel technology.

Thanks to the strong flush diaphragm made with 17-4 PH stainless steel, TPFADA is particularly suitable for pressure measurement where the media is with high viscosity (thick fluids, oils, rubber, pulps, chemical products, etc.) and the traditional transducers with internal measuring chamber cannot be used.

The high thickness of the diapragm makes the product very reliable and suitable for heavy industrial application. Internal state of the art electronics allows a wide range of current and voltage signal

outputs, as well as the innovative "Digital Autozero & Span" function is able to perform an easy and quick automatic zero adjustment after the installation, simply with the touch of a magnetic pen, supplied as standard.



This symbol present on the product label stands for further indications on product manual. For correct and safe installation, follow the instructions and observe the warnings contained in this manual. No hazards shall arise by any reasonably foreseeable misuse in a way not intended, and not described in this manual. The complete manual is available for download from the website www.gefran.com

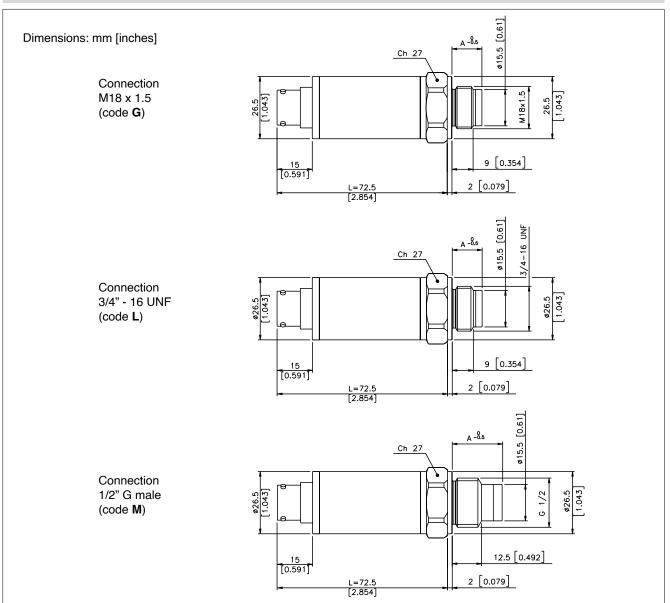
The complete manual is available for download from the website www.gefran.com UL file number E216851

# **TECHNICAL DATA**

GEFRAN

| Putput signal   | VOLTAGE   | CURRENT   |  |  |
|---|---|---|--|--|
| Accuracy (1)  |   | % FSO max) 0-600-1000 bar   |  |  |
|   |   | 3% FSO max) 0-100-50 bar  |  |  |
| Measurement range   | from 010 to 01000 bar /   | from 0150 to 015000 psi   |  |  |
| Resolution  | n Infinite  |   |  |  |
| Overpressure (without degrading performance) (2)  | 2) 3 x Full Scale (max 2000 bar)  |   |  |  |
| Pressure containment (Burst test (3)  |   | (max 2000 bar)  |  |  |
| Pressure media  | Fluid compatible  | with Inox 17-4PH  |  |  |
| Body materials  | Inox A  | ISI 304   |  |  |
| Power supply (6)  | B/M/P/R 1030Vdc<br>C/N/Q 1530Vdc  | 1030Vdc   |  |  |
| Supply sensitivity  | < 0,0015  | % FSO/V   |  |  |
| Measuring principle   | Bonded strain gauge on st   | ainless steel (4 active arms)   |  |  |
| Insulation resistance   |   | Ω @ 50Vdc   |  |  |
| Zero output signal  | B, C, M, N, P, Q, R   | 4mA (E)   |  |  |
| Full scale output signal  | B, C, M, N, P, Q, R   | 20mA (E)  |  |  |
| Max current absorption  | 20mA  | 40mA  |  |  |
| Max allowed load  | 1mA   | see diagram   |  |  |
| Zero adjustment   | ent ± 10% FSO digital, with magnetic pen  |   |  |  |
| Span adjustment   | ± 5% FSO digital,   | with magnetic pen   |  |  |
| Calibration signal  | 80% FS0   | D nominal   |  |  |
| Long term stability   |   | 0/Year typical  |  |  |
| Operating temperature range (process) (5)   | -40+120°C   | (-40+248°F)   |  |  |
| Compensated temperature range (4)   | -10+85°C  | (14+185°F)  |  |  |
| Storage temperature range   | -40+125°C   | (-40+257°F)   |  |  |
| Temperature effects over compensated range (zero-span)  | ± 0,01% FSO/°C typical  | (± 0,02% FSO/°C max.)   |  |  |
| Response time (1090%FSO)  | <1r   | nsec.   |  |  |
| Start-up time   | < 500   | msec.   |  |  |
| Mounting position effects   |   | Negligible  |  |  |
| Humidity  | Up to 100%RH non-condensing   |   |  |  |
| Weight  | <u> </u>  | nominal   |  |  |
| Mechanical shock  | 100g/11msec accordi   | ng to IEC 60068-2-27  |  |  |
| Vibrations  | 20g max at 102000Hz a   | <u> </u>  |  |  |
| Ingress protection  | IP65/IP   |   |  |  |
| Output short circuit and reverse polarity protection  |   | ES  |  |  |
| <ul> <li>FSO = Full Scale Output (output signal at rated pressure)</li> <li>1 Includes combined effects of Non-Linearity BFSL (Best Fit Straight Line), Hysteresis and Repeatability</li> <li>2 tested for more than 1000 strokes with single duration &lt; 2msec.</li> </ul> | <ul> <li>5 ambient and/or electronics part tempera<br/>ble restrictions in the paragraphs "Electr<br/>request".</li> <li>6 The devices must be supplied with a Cla</li> </ul> | rical connections" and "Accessories on  |  |  |
| <ul> <li>3 tested for more than 100 strokes with single duration &lt; 2msec.</li> <li>4 temperature outside compensated range may cause zero signal drift</li> </ul>  | Power Supply (as for EN 60950).<br>If devices are permanently connected<br>switch or circuit breaker and external ov  | to the machine it's requested an externative requested an externative recurrent protection. |  |  |

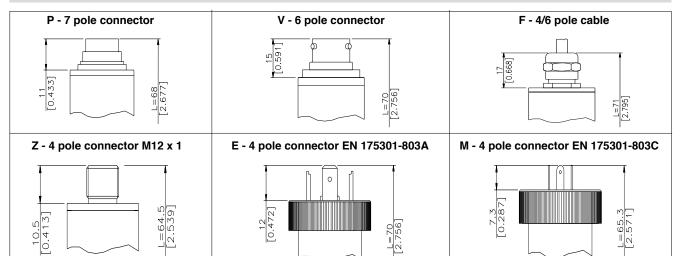
# **MECHANICAL DIMENSIONS - Process Connections**



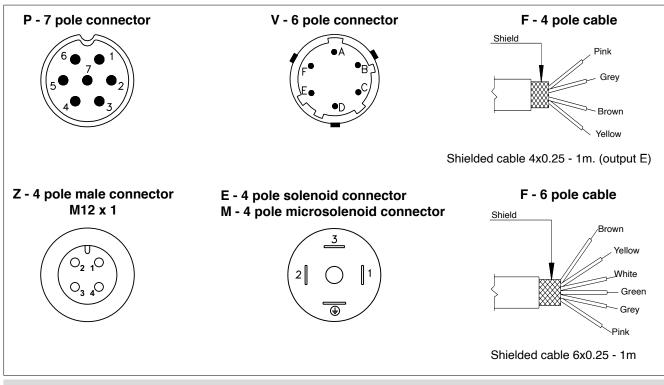
ATTENTION: for installation use a maximum torque force of 40Nm

| Pressu | ressure range Dimension "A" (mm) Pressure range |             |    | range | Dimension "A" (mm) |     |      | Pressure range                |    | Dimension "A" (mm) |      |                      |      |      |
|--------|---|-------------|----|-------|--------------------|-----|------|-------------------------------|----|--------------------|------|----------------------|------|------|
| PSI    |   | M18x1.5 (G) |    |       |                    | BAR |      | M18x1.5 (G) 3/4" (L) 1/2" (M) |    | PSI BAR            |      | M18x1.5 (G) 3/4" (L) |      |      |
| 150    | 10  |             |    |       | 750                | 50  |      |                               |    |                    | 250  |                      |      |      |
| 250    | 16  |             |    |       | 1000               | 60  |      |                               |    | 5000               | 350  |                      |      |      |
| 300    | 20  |             |    |       | 1500               | 100 | 13.5 | 13.5                          | 21 |                    | 400  | 14.1                 | 14.1 | 21.6 |
|        | 25  | 13          | 13 | 20.5  | 2500               | 160 | 1    |                               |    | 7500               | 500  | 1                    |      |      |
|        | 30  |             |    |       | 3000               | 200 |      |                               |    |                    | 600  |                      |      |      |
| 500    | 35  | 1           |    |       |                    |     |      |                               |    | 10000              | 700  | 14.7                 | 14.7 | 22.2 |
|        | 40  | ]           |    |       |                    |     |      |                               |    | 15000              | 1000 | 1                    |      |      |

## **ELECTRICAL CONNECTION**



# ELECTRICAL CONNECTION - Connectors

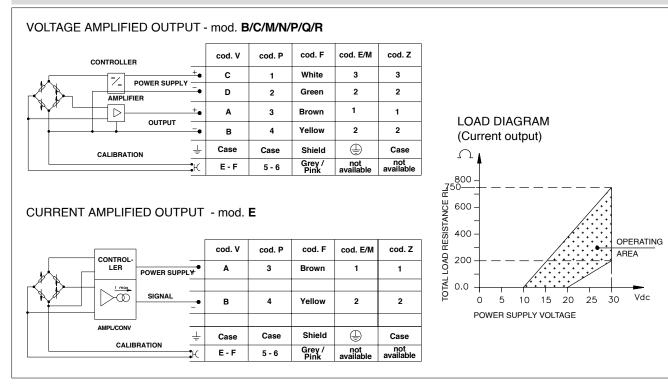


### **ELECTRICAL CONNECTION - ratings**

| ELECTRICAL CONNECTION                              | IP RATING | cULus CERTIFIED | TEMPERATURE RATINGS * |
|--|-----------|-----------------|-----------------------|
| P-7 pole connector                                 | IP67      |                 | -40+100 °C            |
| V-6 pole connector                                 | IP66      |                 | -40+105 °C            |
| F – 4/6 pole cable                                 | IP65      |                 | -20+80°C              |
| Z - 4 pole male connector M12 x 1                  | IP67      | х               | -30+105 °C            |
| E - 4 pole solenoid connector EN 175301-803-A      | IP65      | х               | -40+105 °C            |
| M - 4 pole microsolenoid connector EN 175301-803-C | IP65      | х               | -40+105 °C            |

\* The operating temperature ranges, except where expressly indicated, are also applicable in the UL scope.

## **ELECTRICAL CONNECTION - connection diagrams**



# **DIGITAL AUTOZERO & SPAN - Technical data**

|   | Autozero                              | $\pm 10\%$ FS max with zero setting within the sensor accuracy class, @ °T Amb.   |
|---|---------------------------------------|---|
|   | Autozero Setting Time                 | 110 seconds   |
|   | Fine Autozero Adjustment              | Resolution 6 mV (voltage output); 12 $\mu$ A (current output)   |
|   | Fine Autozero Adjustment Amplitude    | $\pm$ 100 mV (voltage output), $\pm$ 0.16 mA (current output) by successive steps with maximum setting time 5 sec. for step |
|   | Calibration Function                  | Signal output generation of 80%FS @ °T Amb.   |
|   | Calibration Function Setting Time     | > 1 sec. (by contacts closed in CAL position)   |
|   | Autospan                              | ±5%FS max with span setting within the sensor accuracy class, @ °T Amb.   |
|   | Autospan Setting Time                 | 110 sec. (by contacts closed in CAL position)   |
|   | Partial Reset                         | Restore of zero factory setting   |
|   | Partial Reset Setting Time            | 3060 sec  |
| 1 | Total Reset                           | Restore of complete factory setting   |
|   | Total Reset Setting Time              | > 60 sec.   |
|   | Function Activation                   | By pen with magnetic head (PKIT 312) supplied as standard   |
|   | For complete functionality and how to | use the digital Autozero & Span feature, please download the relevant   |
|   | operating manual on our website www   | v.gefran.com  |

### **ACCESSORIES ON REQUEST**

### MATING CONNECTORS

| DESCRIPTION   | IP<br>RATING | CODE   | cULus<br>CERTIFIED | TEMPERATURE<br>RATINGS **      |  |
|---|--------------|--------|--------------------|--------------------------------|--|
| Connection E<br>3 pole connector + ground EN 175301-803-A | IP65         | CON006 | Х                  | -40+125 °C<br>-40+65°C (cULus) |  |
| H=32  | 1 00         | CON113 | ×                  | -40+90°C                       |  |
| Connection E<br>3 pole connector + ground EN 175301-803-A | IP65         | CON045 | х                  | -40+125 °C<br>-40+65°C (cULus) |  |
| H=28  | 11 00        | CON114 | Х                  | -40+90°C                       |  |
| Connection M  | IP65         | CON008 |                    | -40+125 °C                     |  |
| 3 pole connector + ground EN 175301-803-C                 | IP65         | CON115 | Х                  | -40+90°C                       |  |
| Connection Z  | IP67         | CON293 |                    | -25+85°C                       |  |
| 4 pole female cable connector M12x1                       | 1607         | CON087 | х                  | -25+90°C                       |  |
| Connection Z  | IP67         | CON050 |                    | -25+85°C                       |  |
| 4 pole female cable connector, 90° M12x1                  | 1607         | CON088 | Х                  | -25+90°C                       |  |
| Connection P<br>7 pole female cable connector             | IP67         | CON321 |                    | -40+95°C                       |  |
| Connection P<br>7 pole female cable connector             | IP40         | CON320 |                    | -40+85°C                       |  |
| Connection P<br>7 pole female cable connector 90°         | IP40         | CON322 |                    | -40+85°C                       |  |
| <b>Connection V</b><br>6 pole Female cable connector      | IP66         | CON300 |                    | -40+105°C                      |  |

# **ACCESSORIES ON REQUEST**

#### **EXTENSION CABLES\***

| DESCRIPTION  | IP<br>RATING | CODE      | cULus<br>CERTIFIED | TEMPERATURE<br>RATINGS ** | CABLE COLOR CODE |              |
|--|--------------|-----------|--------------------|---------------------------|------------------|--------------|
|  |              |           |                    |                           | Pin              | Wire         |
| Connection V   | IP66         | C02WLS    |                    | -40+90°C                  | Α                | Red          |
| 6 pole female connector (CON 300)                                  |              | C04WLS    |                    |                           | В                | Yellow/Black |
| + 2/4/6/8/10/15/20/25/30 m<br>(6.5/13/20/25/33/50/66/82/100 ft) of |              | C06WLS    |                    |                           | С                | White        |
| cable (6x0.25)   |              | C08WLS    |                    |                           | D                | Green        |
|  |              | C10WLS    |                    |                           | E                | Blue         |
|  |              | C15WLS    |                    |                           | F                | Orange       |
|  |              | C20WLS    |                    |                           |                  |              |
|  |              | C25WLS    |                    |                           |                  |              |
|  |              | C30WLS    |                    |                           |                  |              |
| Connection Z   | IP67         | C A) /000 | Х                  | -30+80°C                  | 4                | Drown        |
| female connector M12x1 + 2/3/5/10m                                 | IP67         | CAV220    | X                  | -30+80°C                  | 1                | Brown        |
| of cable   |              | CAV221    |                    |                           | 2                | White        |
|  |              | CAV222    |                    |                           | 3                | Blue         |
|  |              | CAV223    |                    |                           | 4                | Black        |

\* Other lengths on request \*\* The nominal temperature ranges, except where expressly indicated, are also applicable in the UL scope.

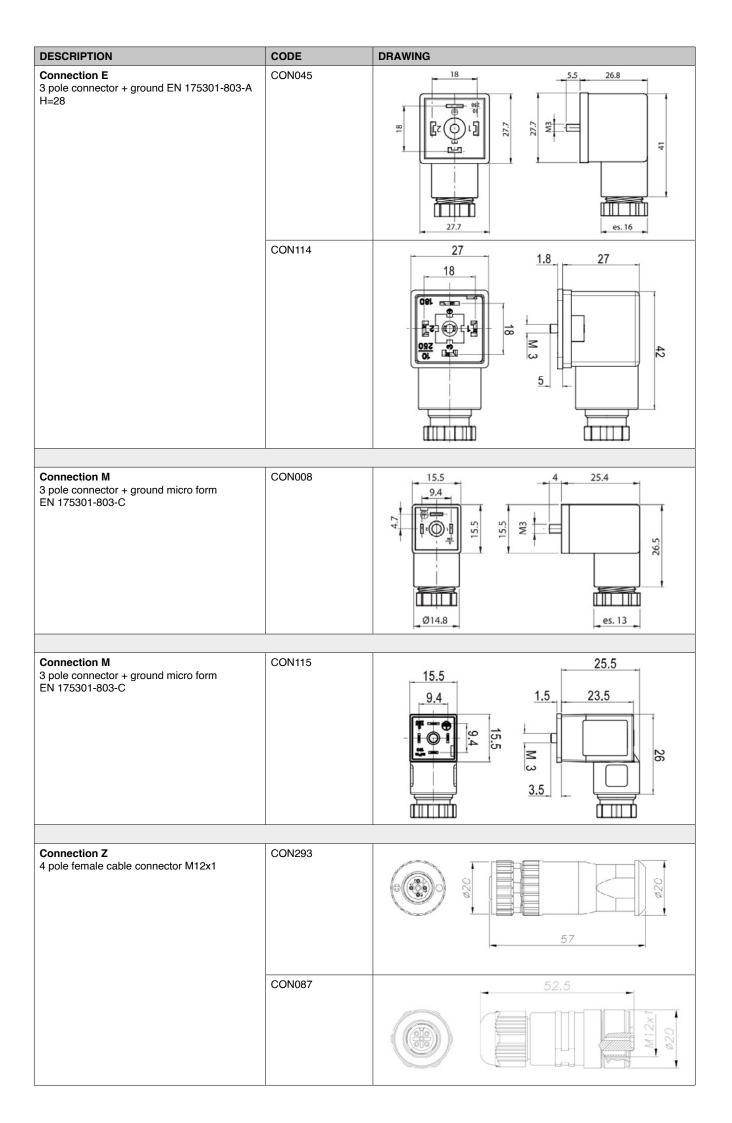
For cULus applications extension cables, a 6 pole 24AWG Style 2464 cable is advised

### SEALING CODE ACCORDING TO PROCESS CONNECTION

| PROCESS CONNECTION | STEEL + NBR |
|--------------------|-------------|
| M18x1,5            | RON306      |
| 1/2" G male        | RON302      |
| 3/4-16 UNF         | RON312      |

# **ACCESSORIES DRAWINGS**

| DESCRIPTION   | CODE   | DRAWING |
|---|--------|---------|
| Connection E<br>3 pole connector + ground EN 175301-803-A<br>H=32 | CON006 |         |
|   | CON113 |         |



| <b>Connection Z</b><br>4 pole female cable connector,<br>90° M12x1                               | CON050                               |  |
|--|--------------------------------------|--|
|  | CON088                               |  |
| Connection P<br>7 pole female cable connector  | CON321                               |  |
| <b>Connection P</b><br>7 pole female cable connector   | CON320                               |  |
| <b>Connection P</b><br>7 pole female cable connector 90°   | CON322                               | 34<br><u>52</u><br><u>52</u><br><u>52</u><br><u>52</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>51</u><br><u>5</u> |
| <b>Connection V</b><br>6 pole Female cable connector   | CON300                               |  |
| Connection V<br>6 pole female connector (CON 300) +<br>2/4/6/8/10/15/20/25/30m of cable (6x0.25) | C02WLS                               |  |
| <b>Connection Z</b><br>female connector M12x1 + 2/3/5/10m of cable                               | CAV220<br>CAV221<br>CAV222<br>CAV223 |  |

### **ORDERING INFORMATION**

| Pressure transmitter                                | TPFADA           | $\Box$ |  |      |      |           |   |            |        |  |  |
|---|------------------|--------|--|------|------|-----------|---|------------|--------|--|--|
| OUTPUT SIGNAL                                       |                  |        |  |      |      | Mechan    | Mechanical and/or electrical characteristi- |            |        |  |  |
| Standard  |                  |        |  |      |      |           | ng from star                                |            |        |  |  |
| 420 mA  | E                |        |  |      |      | ged on r  | equest.                                     |            |        |  |  |
| 010 Vdc   | N                |        |  |      |      |           | RESPON                                      | ISE TIME   |        |  |  |
| On request  |                  |        |  |      |      | v         | Fast  |            |        |  |  |
| 0.15.1 Vdc  | В                |        |  |      |      | V         |   |            |        |  |  |
| 05 Vdc  | М                |        |  |      |      |           |   | IRACY      |        |  |  |
| 15 Vdc  | Р                |        |  |      |      |           | ±0.2%FS ty                                  |            |        |  |  |
| 110 Vdc   | Q                |        |  |      |      |           | 060 - 01                                    | ,          | only)  |  |  |
| 16 Vdc  | R                |        |  |      |      |           | ±0.5%FS ty                                  |            |        |  |  |
| 0.110.1 Vdc   | С                |        |  |      |      |           | 010 - 05                                    | 0 bar ( on | ly)    |  |  |
| PROCESS CONNECTION                                  | J                |        |  |      |      | - 1       | MEASUREMENT RANGE                           |            |        |  |  |
| Standard  | -                |        |  |      |      |           | Bar   |            | Psi    |  |  |
| M18x1.5   | G                |        |  |      |      | B01D      | 010   | P15D       | 0150   |  |  |
| 1/2" G male   | M                |        |  |      |      | B16U      | 016   | P25D       | 0250   |  |  |
| On request  |                  |        |  |      |      | B02D      | 020   | P03C       | 0300   |  |  |
| 3/4-16 UNF  | L                |        |  |      |      | B25U      | 025   | P05C       | 0500   |  |  |
| ELECTRICAL CONNECTIO                                |                  |        |  |      |      | B03D      | 030   | P75D       | 0750   |  |  |
|   |                  |        |  |      |      | B35U      | 035   | P01M       | 01000  |  |  |
|   | V                |        |  |      |      | B04D      | 040   | P15C       | 01500  |  |  |
| 7 pole connector (***)<br>M12x1 connector (*)       | P<br>Z           |        |  |      |      | B05D      | 050   | P02M       | 02000  |  |  |
| 4/6 pole shielded cable (**)(***)                   | F                |        |  |      |      | B06D      | 060   | P25C       | 02500  |  |  |
| 4/6 pole shielded cable ()()                        |                  |        |  |      |      | B01C      | 0100  | P03M       | 03000  |  |  |
| 4pole solenoid connector(*)                         | E                |        |  |      |      | B16D      | 0160  | P04M       | 04000  |  |  |
| 4 pole microsolenoid                                |                  |        |  |      |      | B02C      | 0200  | P05M       | 05000  |  |  |
| connector (*)                                       | М                |        |  |      |      | B25D      | 0250  | P75C       | 07500  |  |  |
|   | 1                |        |  |      |      | B35D      | 0350  | P10M       | 010000 |  |  |
|   |                  |        |  |      |      | B04C      | 0400  | P15M       | 015000 |  |  |
| (*) available Autozero function onl                 | y, NO Cal and    |        |  |      |      | B05C      | 0500  |            |        |  |  |
| NO Span   |                  |        |  |      |      | B06C      | 0600  |            |        |  |  |
| (**) 1mt cable included as standard. Custom lengths |                  |        |  | B07C | 0700 |           |   |            |        |  |  |
| available, at extra cost.                           | 2. Successioning |        |  |      |      | B01M      | 01000                                       |            |        |  |  |
| (***) 7 pole connector(P), 6 pole connector(V) and  |                  |        |  |      | CA   | LIBRATION | I STANDA                                    | ARDS       |        |  |  |

Instruments manufactured by Gefran are calibrated against precision pressure calibration equipment wich is traceable to International Standards.

(\*\*\*) 7 pole connector(P), 6 pole connector(V) and shielded cable(F), UL certification not available

#### Ex.: TPFADA - M - G - V - B01C - H - V

Pressure transmitter: 0...5Vdc output signal, M18x1.5 process connection, 6 pole connector, 0...100 bar measurement range, fast response time, 0.2% FS typical accuracy.

Sensors are manufactured in compliance with:

- EMC 2014/30/EU compatibility directive

- RoHS 2011/65/EU directive

Electrical installation requirements and Conformity certificate are available on our web site: www.gefran.com

GEFRAN spa reserves the right to make any kind of design or functional modification at any moment without prior notice



GEFRAN spa via Sebina, 74 25050 PROVAGLIO D'ISEO (BS) - ITALIA tel. 0309888.1 - fax. 0309839063 Internet: http://www.gefran.com