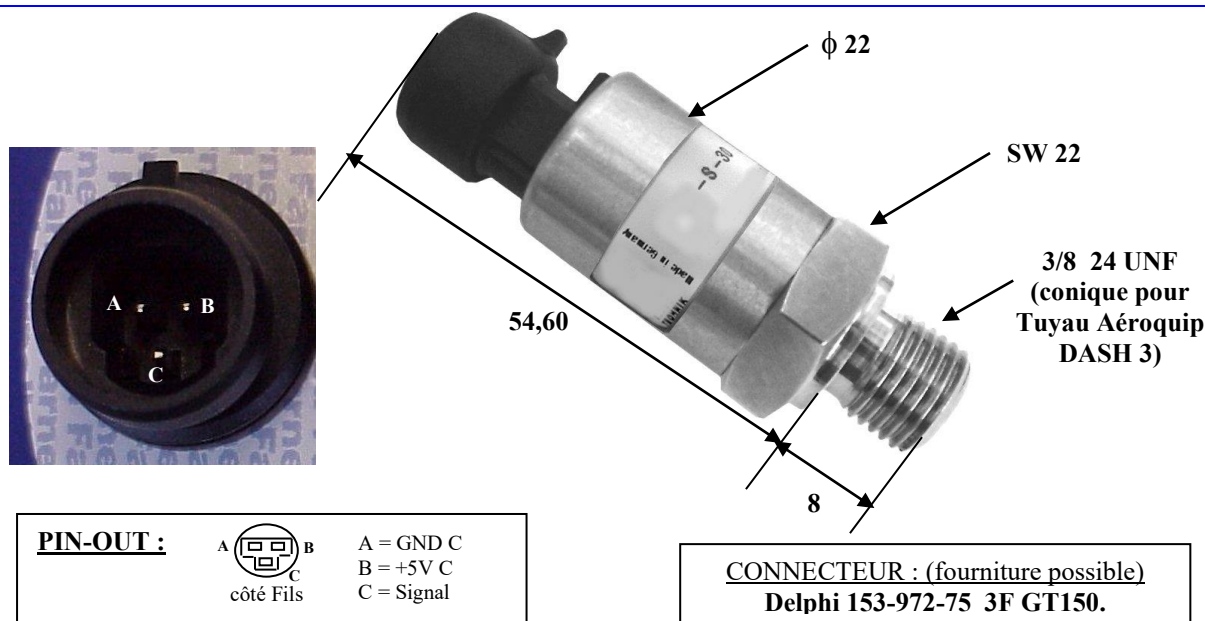


## Capteur Pression 10b – 3/8 24 UNF



### Documentation technique :

| Parameter                              | Min   | Typ    | Max            | Unit   | Remarks |
|----------------------------------------|-------|--------|----------------|--------|---------|
| Pressure range                         | 0     |        | 10             | bar    |         |
| Pressure type                          |       | gage   |                |        |         |
| Span                                   |       | 4,00   |                | Volt   | 2, 3    |
| Output at FS - Sortie pleine échelle - |       | 4.50   |                | Volt   | 2, 3    |
| Zero output - Sortie niveau bas -      |       | 0,50   |                | Volt   | 2, 3    |
| Total error(- 40°C to 125°C)           |       | <1.0   | 2.5            | %FS    | 4       |
| Response time                          |       | 1      | 2,0            | msec   | 5       |
| Power supply (Vs)                      | 4,75  | 5,0    | 5,25           | Volt   | 6       |
| Current supply                         |       | 7,5    | 13             | mA     |         |
| Load resistor                          |       | 4.64   |                | KΩ     |         |
| Load capacitor                         |       |        | 0.1            | μF     |         |
| Output resistivity                     |       |        | 10             | Ω      |         |
| Output source current                  | 1,1   |        |                | mA     | 7       |
| Output sink current                    | 0,1   |        |                | mA     | 7       |
| Output ratiometricity                  | 0,9   |        | 1,1            | %      | 3, 8    |
| Output Noise                           |       |        | 5              | mV rms |         |
| Isolation resistivity to case          | 100   |        |                | MΩ     | 9       |
| Over pressure                          |       |        | 2,0 *          |        |         |
| Burst pressure                         | 3,0 * |        |                |        |         |
| Operating temperature                  | -40   |        | 125            | °C     | 14      |
| Storage temperature                    | -40   |        | 150            | °C     |         |
| Weight                                 |       | ca. 50 | gram           |        |         |
| Mounting direction                     |       |        | all directions |        |         |

**Remarks:**

- All parameter guaranteed for specified conditions.
- Output is calibrated at zero and full scale.
- The output is ratiometric to the supply voltage (Vs).
- Total accuracy includes non- linearity, hysteresis, repeatability and temperature effects.(New parts, max. drift per 0,1%FS). Compensated range.
- the max. supply voltage with sensor operating is 6 Volt.(switch off app. 6,2Volt)
- The output is short protected to Vs and GND at 5V. Over voltage and reverse protection is given for max. 32Volt, max. 90°C for 30 min.
- Measured between case and pin ( 50 VDC for one minute)
- Piezoresistive principle, calibrated using mixed signal ASIC, no potentiometer, no laser trimming.
- Mounting force max. 25Nm.

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