# DIFFERENTIAL PRESSURE INSTRUMENTS
# AUTOMATIZACIÓN, CONTROL E INTEGRACIÓN DE SEPARADOR DE PRUEBAS PAD 2 ACD

| | |
|---|---|
| **DOCUMENT NAME:** | **DIFFERENTIAL PRESSURE INSTRUMENTS** |
| **DOCUMENT CODE:** | **INSAGTEC-6598-INS-DC12** |
| **OSI:** | **6598** |

**Nombre del proyecto:** AUTOMATIZACIÓN CONTROL E INTEGRACION AL SCADA DEL SEPARADOR DE PRUEBAS PAD 2 ACD

| | | | | |
|---|---|---|---|---|
| GENERAL | 1 | Tag No. | FQIT - 1002 | Service : GAS |
| | 2 | Function | Record ☑ Indicate ☐ Control ☐ Blind ☑ Trans ☑ Integ ☐ Other. | |
| | 3 | Case | MFRSTD ☑ Nom Size | Color: MFRSTD ☑ Other. |
| | 4 | Mounting | Flush ☐ Surface ☐ Yoke ☑ Other: Mounting bracket | |
| | 5 | Enclousure Class | General Purpose ☐ Weather Proof ☐ Explosion-Proof ☑ Class 1 Div 2 | |
| | | | For use in intrinsically Safe System ☐ ☐ Other | |
| | 6 | Power Supply | 120 V 60Hz ☐ Other ac ☐dc | Volts 6-30 VDC |
| | 7 | Chart | 12 in. Circ ☐ Other | Range No. |
| | 8 | Chart Drive | 24 hr Other | Elec. ☐ Spring ☐ Other |
| | 9 | Scales | Type: | Range: 2 3 |
| XMTR | 10 | Transmitter Output | 4 - 20 mA ☑ 10-50 mA ☐ 21-103 kPa (3-15 psig) ☐ Other: | |
| | | | For Receiver, See Spec. Sheet | |
| CONTROLLER | 11 | Control Modes | P= Prop (Gain) I = Integral (Auto Reset) D = Derivative (Rate) Sub: s= Slow f = Fast | |
| | | | P ☐ PI ☐PD PI☐ Lf☐ Df ☐ Is ☐Ds ☐ ☐ | |
| | | | Other | |
| | 12 | Action | On Meas, Increase Output: Increases Decreases ☐ | |
| | 13 | Auto - Man Swich | None ☐ MFR STD ☐ Other | |
| | 14 | Set Point Adj | Manual ☐ External ☐ Remote ☐ Other | |
| | 15 | Manual Reg | None ☐ MFR STD ☐ | |
| | 16 | Output | 4 - 20 mA ☐ 10 - 50 mA ☐ 21 - 103 kPa (3 - 15 psi ) ☐Other: | |
| UNIT | 17 | Service | Flow ☑ Level ☐ Diff. Pressure ☑ Other: Temperature, Static Pressure | |
| | 18 | Element Type | Diaphragm ☐ Bellows ☐ Mercury ☐ Other : MFD STD | |
| | 19 | Material | Body MFD STD | Element MFDSTD |
| | 20 | Rating | Overrange MFD STD | Body Rating MFD STD psig |
| | 21 | Diff. Range | Fixed ☑ Adj. Range MFD STD | Set at 120" H2O |
| | 22 | | Elevation | Suppresion |
| | 23 | Process Data | Fluid GAS | Max. Temp. 150 °F Max. Press. 250 PSIG |
| | 24 | Process Conn. | 1/2 in. NPT ☐ Other 1/2 NPTF | |
| | 25 | Alarm Switches | Quantity | Form Rating |
| | 26 | Function | Meas. Var. ☐ Desviation ☐ Contacts To on Inc Press. | |
| OPTIONS | 27 | Options | Pressure Element ☐ Range | Material |
| | | | Temp. Element ☑ Range 90-150 °F | Type RTD PT100 |
| | | | Filter- Reg ☐ Supply Gage ☐ Output Gage ☐ Charts | |
| | | | Valve Manifold 5 - Valve Manifold | |
| | | | Cond. Pots ☐ Adj. Damp ☐ Integral Sq. Rt. Ext. ☐ | |
| | | | Integrator MFDSTD | |
| | | | Other | |
| | 28 | MFR & Model No | CAMERON - NUFLO SCANNER 2000 MICROEFM | |

| Rev. | Quant. | Tag No. | Range | Set de Operación |
|---|---|---|---|---|
| C | 1 | FQIT - 1002 | 0 - 200" H2O | 120" H2O |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

**Notes:**
1) El equipo deberá incluir las facilidades de comunicación vía RS-485 y protocolo Modbus.
2) La medición de temperatura sería a través de RTD instalada en el "spooler" de medición de gas.

| INSA | INSA | GTEC | Rev |
|---|---|---|---|
| Elaborated by: Soporte de aplicaciones<br>Siganture: Oscar García<br>Date: 2023-12-04 | Approved by: Euro Guerrero<br>Signature: Dir. Operaciones y proyectos<br>Date: 2023-12-04 | Approved by:<br>Signature:<br>Date: | Comments: A B ✕ |

| CHANGE CONTROL | | |
|---|---|---|
| **Versión** | **Description** | **Date** |
| 1 | Emisión inicial del documento A1 | 2023-08-23 |
| 1 | Emisión para revisión del docuemento B1 | 2023-09-29 |
| 1 | Emisión final del documento C | 2023-12-04 |
| | | |
| | | |