



**PTA228 (former P628)**

**ACCURATE MEASUREMENT**

**INDUSTRIAL**



- ▶ **Accurate Pressure Sensor**
- ▶ **Built in Electronic 0-5Vdc**
- ▶ **4 wires Technology suitable for Noisy Environments**
- ▶ **Large Choice of Threads & Electrical Connectors**
- ▶ **All Stainless Steel Construction**

Technical Specifications	PTA228
Pressure Ranges (FS)	Barometric : 700-1200mbar absolute 200 / 350 / 700 / 1000mbar / 2 / 3 / 5 / 10 / 20 / 40 / 100 / 250 / 400 / 600bar ± 1bar; -1/+2bar, -1/+3bar; -1/+5bar; -1/+10bar 3 / 5 / 10 / 15 / 30 / 40 / 70 / 150 / 300 / 500 / 1500 / 3000 / 5000 / 8000PSI ± 14,5PSI, -14,5/+30PSI, -14,5/+40PSI; -14,5/+70PSI; -14,5/+150PSI
Type	Absolute, Gage, Sealed Gage (for ranges > 40bar)
Safe Overload / Burst Pressure	150%FS / 300%FS
Power Supply	8 to 30Vdc
Consumption	< 10mA
Output at -100%FS (only for ± range)	0Vdc
Output at 0%FS	0Vdc
Output at 100%FS	5Vdc
Zero and Sensitivity settings tolerances	± 50mV
Combined Non Linearity & Hysteresis	± 0,1%FS
<i>Option</i>	-
Non Repeatability	± 0,02%FS typ.
Signal Bandwidth (electronic)	1000Hz @ -3dB
<i>Option</i>	-
Insulation	> 1000MΩ @ 50Vdc
Compensated Temperature	0 to +60°C / 32 to +140°F
<i>Option</i>	-25 to +85°C / -13 to +185°F
Operating Temperature	-25 to +85°C / -13 to +185°F
Combined thermal zero & sensitivity shifts	± 2.10 <sup>-4</sup> FS/°C
<i>Option</i>	-
Long Term Stability	± 0,1%FS/year typ.
Constant acceleration in linear vibrations	± 0,02%FS/g (frequency 20-2000Hz, 50g max.)
Mechanical Shock	100g ½ sinus 1ms
Electrical Protection	Protected against polarity inversion
EMC Protection	Compliant to EN61000
Standard Electrical Connection	1m Viton Jacketed Shielded Cable Ø3mm, 4 wires AWG26 MIL-C26482 (6 pins); DIN 43650
<i>Option</i>	DIN 43650 miniature; male connector M12 (4 pins)
Standard Mechanical Connection	1/4 Gaz; M14x1,5; 1/4 NPT (males)
<i>Option</i>	7/16-20 UNJF; M10x1 male; 1/4 Gaz female; 1/2 Gaz male; M10x1 male with 120° cone Stainless Steels 316L (1.4404), 15-5PH (1.4545) and 17-4PH (1.4542)
Material(s) of Wetted Parts	
Weight	< 100g without cable
Enclosure Protection	IP65 for Sealed Gage & Absolute
Accessories delivered with the sensor	Calibration certificate or Datas in pressure and temperature (option)



**E.F.E.**

**L'Essor Français Electronique**

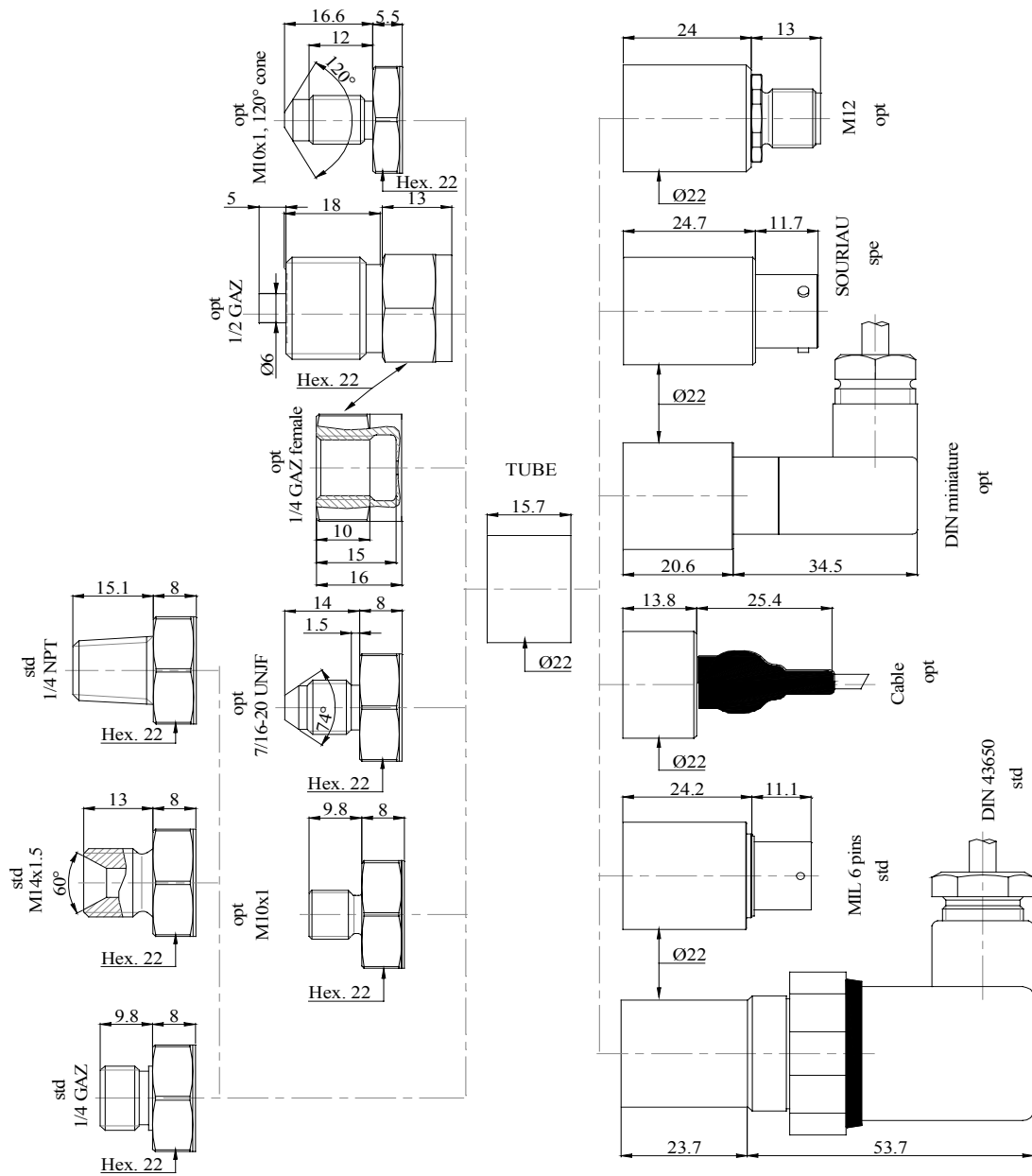
**Head Office: 16 rue Porte à Bateaux – 27540 Ivry la Bataille – France**  
**Tel: 33 (0)2.32.22.35.05 – Fax: 33 (0)2.32.36.93.08 – www.efc-sensor.com**



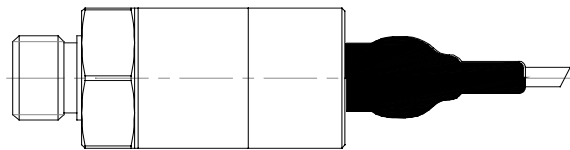
**PTA220**

**ACCURATE MEASUREMENT  
GRANDE PRECISION**

**PLAN / DRAWING**



**SCALE 1:1**



**E.F.E.**

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PTA220		ORDER CODE						
<b>Complete Reference</b>	<b>PTA22 X - X - XXX - XXX - XX - XX - XX - X XX - XX</b>							
<b>Model</b>	Pressure sensor for Accurate Measurement Ø 22mm	PTA						
		22						
<b>Output Signal</b>	0-5Vdc with 4 wires technology							
		8						
<b>Material of wetted parts</b>	Stainless Steel		S					
<b>Pressure Ranges</b>	Unidirectional example : 20bar Barometric : 700-1200mbar Bidirectional example : -1/+3bar			20 700/1200 -1/3				
<b>Pressure Unit</b>	mbar bar PSI				mbar bar PSI			
<b>Operational Mode</b>	Gage Sealed Gage Absolute					G SG A		
<b>Mechanical Thread</b>	1/4 Gaz male M14x1,5 male 1/4 NPT male 7/16-20 UNJF male M10x1 male 1/4 Gaz female 1/2 Gaz male M10x1 male with 120° cone						07 01 13 10 02 08 06 21	
<b>Electrical Connection</b>	Viton cable output X meter(s) MIL-C26482 (6 pins) DIN 43650 DIN 43650 miniature Male connector M12 (4 pins)						08/Xm 03 01 02 07	
<b>Compensated Temperature</b>	0 to +60°C / 32 to +140°F -25 to +85°C / -13 to +185°F							A B
<b>Accuracy</b>	± 0,1%FS (Standard)							0
<b>Thermal Shifts</b>	± 2.10 <sup>-4</sup> FS/°C (Standard)							0
<b>Options</b>	N/A EPDM O'ring Specific settings							00 E S



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