

**FEATURES**

- Accuracy up to ±0.25 % Full Scale (Best Fit Straight Line).
- High overpressure protection.
- CE compliant to suppress RFI, EMI and ESD.
- Compatible with Intk Tekmeter.

**APPLICATIONS**

- Hydraulic and pneumatic systems.
- Injection molding machines.
- Stamping and forming presses.
- Pumps and compressors.
- Industrial machinery and machine tools.
- Refrigeration controls.
- HVAC systems.

**DESCRIPTION**

INTK IT100 Series Current Output Pressure Transmitters are designed to provide the highest reliability and accuracy in all kind of industrial process where it might be required, offering the best technology with a high repeatability, durability, stability and shock resistance.

CE compliance which includes high levels of RFI, EMI, and ESD protection combined with reverse polarity and over-voltage protection insure they perform well in the most demanding applications.



	SPECIFICATIONS	
<b>Case diameter</b>	22 mm.	
<b>Pressure ranges</b>	Vacuum to 36 000 psi.	
<b>Proof pressure</b>	3% full scale - 0 to 5 psi through 0 to 200 psi.	
	1.75% full scale - 0 to 300 psi through 0 to 10 000 psi.	
	1.5% full scale - 0 to 15 000 psi.	
<b>Repeatability</b>	≤ ±0.05% Full scale.	
<b>Hysteresis</b>	≤ ±0.1% Full scale.	
<b>Stability</b>	≤ ±0.2% Full scale per year, non accumulating.	
<b>Response time</b>	≤ 1 ms (between 10% and 90% Full scale).	
<b>Power supply</b>	10 Vdc to 30 Vdc	
<b>Load impedance (+M/-M)</b>	$(U - 12) / 20 = k\Omega$	
<b>Electromagnetic compatibility</b>	Emission to DIN EN 55011: < 30 dBµV/m	
	Immunity to DIN EN 61000-4-3: 25 V / m	
<b>Wetted materials</b>	316 Stainless steel thin film sensor.	
<b>Housing material</b>	304 stainless steel.	
<b>Durability</b>	100,000,000 Full scale cycles.	
<b>Temperature limits</b>	Ambient: -40° to 105° Celsius.	Fluid: -40° to 125° Celsius.
	Storage: -40° to 125° Celsius.	
<b>Compensated temperature range</b>	316 Stainless steel thin film sensor	
<b>Temperature coefficient (zero and span)</b>	Typically: 0,015% FS / K	K Max: 0,025% FS / K
<b>Response time (10...90%FS)</b>	< 1 ms.	
<b>Vibration resistance</b>	According IEC 68-2-6 et IEC 68-2-32: 20 g	
	Reinforced version 50 g (on request)	
<b>Shock resistance</b>	According IEC 68-2-32: 1 m falls on steel floor.	
<b>Weight</b>	Approximately 90 grs.	

**\* SPECIAL REQUEST**

Please contact factory for special dial artwork and ranges.

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All specifications are subject to change without notice.  
All sale subject to standard terms and conditions.  
Intk® 2017.

✓ ORDERING INFORMATION

<b>SERIES</b>	<b>IT100</b>							
<b>PRESSURE RANGES</b>	<b>-30/225</b>	-30in Hg/225 psig	<b>25</b>	0 to 25 psig	<b>500</b>	0 to 500 psig	<b>6000</b>	0 to 6000 psig
	<b>-30/150</b>	-30in Hg/150 psig	<b>30</b>	0 to 30 psig	<b>600</b>	0 to 600 psig	<b>7500</b>	0 to 7500 psig
	<b>-30/100</b>	-30in Hg/100 psig	<b>50</b>	0 to 50 psig	<b>750</b>	0 to 750 psig	<b>9000</b>	0 to 9000 psig
	<b>-30/60</b>	-30in Hg/60 psig	<b>60</b>	0 to 60 psig	<b>1000</b>	0 to 1000 psig	<b>10,000</b>	0 to 10,000 psig
	<b>-30/30</b>	-30in Hg/30 psig	<b>100</b>	0 to 100 psig	<b>1500</b>	0 to 1500 psig	<b>15,000</b>	0 to 15,000 psig
	<b>-30/15</b>	-30in Hg/15 psig	<b>150</b>	0 to 150 psig	<b>2000</b>	0 to 2000 psig	<b>20,000</b>	0 to 20,000 psig
	<b>-30/0</b>	-30in Hg to 0	<b>200</b>	0 to 200 psig	<b>3000</b>	0 to 3000 psig	<b>25,000</b>	0 to 25,000 psig
	<b>10</b>	0 to 10 psig	<b>250</b>	0 to 250 psig	<b>4000</b>	0 to 4000 psig	<b>30,000</b>	0 to 30,000 psig
	<b>15</b>	0 to 15 psig	<b>300</b>	0 to 300 psig	<b>5000</b>	0 to 5000 psig	<b>36,000</b>	0 to 36,000 psig
<b>OUTPUT</b>	<b>A</b> 4 mA to 20 mA, 2-wire							
<b>ACCURACY</b>	<b>1</b>	±0.5 % Full Scale (Best Fit Straight Line)			<b>2</b>	±0.25 % Full Scale (Best Fit Straight Line)		
<b>PROCESS CONNECTION</b>	<b>STD</b> 1/4" NPT male							
<b>ELECTRICAL CONNECTION</b>	<b>STD</b> 36" cable, connected to Hirschmann							
<b>EXAMPLE</b>	<ul style="list-style-type: none"> <li>• Series ..... IT100</li> <li>• Select pressure range ..... 600 psig</li> <li>• Output signal ..... A</li> <li>• Accuracy ..... 1</li> </ul>							

✂ OUTLINE DIMENSIONS

**IT 100**



- 1** | 1.88" (48 mm)
- 2** | 1.65" (42 mm)
- 3** | 1.49" (38 mm)
- 4** | 0.55" (14 mm)
- 5** | 0.94" (24 mm)
- 6** | 0.90" (23 mm)
- 7** | 1/4" NPT

**WIRING**

Wire	Hirschmann	Cable
+ Supply	Pin1	Red
+ Output	Pin2	Black

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