



# PRESSURE TRANSDUCER 630-1003-XXX

## Description

Automata's Pressure Transducer is uniquely designed for the broadest possible range of applications, including process control systems, natural gas production, liquid level measurement, gas compressors, lubrication systems, chemical processing, waste water treatment, pulp & paper processing, oil production & recovery, and others. This Pressure Transducer utilizes a micro-machined silicon pressure-sensing die that is isolated for all media by a 316L stainless steel diaphragm. Silicon, as a material, tolerates very high bending stresses with virtually no hysteresis! This provides very high electrical outputs with very little stress, which translates into excellent linearity, increased long-term stability and reliability.



<b>Specifications</b>	
<b>Performance</b>	
Output Signal	1-5 VDC Options-4-20mAmps
Accuracy	± 1% full scale (includes linearity, hysteresis, and repeatability)
Power Requirements	13 to 30 VDC
Cable Length	9 feet included
Weight	10 oz (283 g)
<b>Voltage Output---1-5Volts</b>	
3 WIRE	DESCRIPTION
RED	+IN
BLACK	COMMON
WHITE	SIGNAL
<b>Output---4-20mAmp</b>	
2 WIRE	DESCRIPTION
RED	+IN
BLACK	-SIGNAL (COMMON)
<b>Ordering Information</b>	
630-1003-000	1-5V, 200 psi, 9 feet of cable
630-1003-001	1-5V, 5 psi, 9 feet of cable
630-1003-002	1-5V, 15 psi, 9 feet of cable
630-1003-003	1-5V, 100 psi, 9 feet of cable
630-1003-004	1-5V, 300 psi, 9 feet of cable
Please consult Automata for a complete list of available psi Transducers	

\*\*Formation of ice in the monitoring chamber will cause permanent damage and is NOT covered by the limited warranty.

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Certifications

CE-IEC801-2 Level 3, ESD / IEC801-3 Level 3, Radiation RF / IEC801-4 Electrical Fast Transient/Burst / IEC801-5 Level 4, Surge to 4 kV / IEC801-6 Level 3, Conducted Susceptibility.

