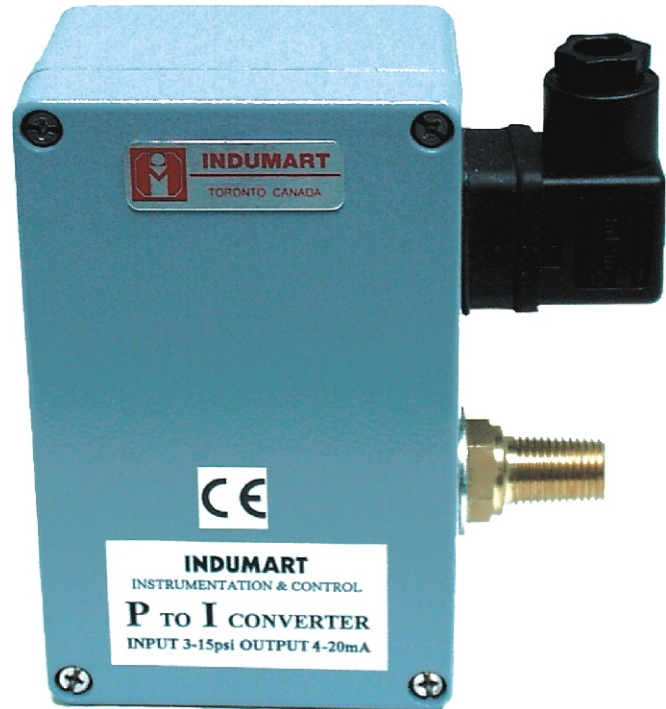




## MODEL: PTI807

- ACCURATE AND STABLE
- 3-15 PSI INPUT
- 4-20 mA CURRENT
- 2-WIRE TRANSMITTER



### INTRODUCTION

Indumart *PTI807* Pressure to Current (P/I) Converter is a two-wire transmitter which produces a 4-20 mA output signal directly proportional to its 3-15 psi pressure input. Premium grade and precision electronic components are used throughout this instrument to assure excellent accuracy and stability, high reliability and long life.

The electrical and pressure sensing components are housed in a die-cast aluminum enclosure to comply with the requirements for IP65 protection class, and connection to the supply pressure is simply achieved via its 1/4" male connector.

Surface mounting is a standard feature of the *PTI807* converter, or it may be ordered with DIN rail mounting accessories as an option.

### SPECIFICATIONS

<b>Input</b>	3...15 psi
<b>Output</b>	4-20 mA
<b>Supply Voltage</b>	12...30 VDC
<b>Max. Loop Load Resist.</b>	$(V_{Loop} - 12 V) / 0.02 A = [\Omega]$
<b>Total Error</b>	Better than $\pm 0.35\%$ F.S. <i>(Linearity + Hysteresis + Repeatability)</i>
<b>Zero &amp; Span Adjustment</b>	$\pm 10\%$
<b>Thermal Effect</b>	$\pm 0.04\%$ F.S. / °C
<b>Maximum Pressure</b>	23 psi
<b>Pressure Connection</b>	1/4" male, brass
<b>Housing Material</b>	Die-cast aluminum
<b>Diaphragm</b>	Alumina (Al <sub>2</sub> O <sub>3</sub> )
<b>Operating Temperature</b>	-25...+75°C
<b>Protection Class</b>	IP65
<b>Weight</b>	1.13 kg (2.5 lb)

### DIMENSIONS (mm)

