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## PRESSURE TRANSMITTER

# PSQ

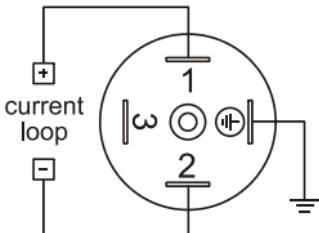
### OPERATION MANUAL



Please read this Operation Manual before mounting and operating.  
Save the Manual for future references.

**Important note:**

If the medium temperature is higher than the maximum, specified for your transmitter, mount an additional cooling spiral tube between the object and the transmitter in order to decrease the medium temperature at the transmitter input.



Terminal No.	Wire color			
Description	1	2		
Mark	current loop (+)	current loop (-)	shield (sheath)	
	Is+	Is-	PE	

**Mounting**

- ◆ Screw the PSQ transmitter to its exact place using a preinstalled bush with a female thread matching the transmitter's one ( $\frac{1}{4}$ ",  $\frac{1}{2}$ ", etc.).
- ◆ To ensure hermetical mounting, use a proper gasket (e.g. DIN16258).
- ◆ The right tightening torque depends on the gasket material and shape as well as on the mounting thread.
- ◆ For mounting, use ONLY a proper hexagonal wrench applying the torque ONLY to the hexahedral transmitter head.
- ◆ The installation site must be protected from deep-freezing and high-temperature sources, and all environmental conditions must be within those, specified for your transmitter type (see '**Specifications**').

**Wiring**

Connect the transmitter via detachable connector Mini-HIRSCHMAN by following the markings as shown on the left.

**Important note:**

The supply voltage must be greater than the required minimum (marked on the label) plus the load voltage drop at 20 mA.



The undersigned hereby declares, on behalf of COMECO Inc., that this pressure transmitter model PSQ has been manufactured in compliance with the standard EN 61326-1, and meets the requirements of Directives 2004/108/EC and 2011/65/EU.

Krasimir Darakchiev, CEO  
COMECO Inc.

## Waste Disposal



*Do not dispose of electronic devices together with household waste material.*

If disposed of within European Union, this product should be treated and recycled in accordance with the laws of your jurisdiction implementing Directive 2012/19/EU on waste electrical and electronic equipment (WEEE).

Pressure Range	..... bar
Output Signal	4...20 mA, 2-wire
Power Supply U <sub>B</sub>	<input type="checkbox"/> 12...28 VDC, <input type="checkbox"/> ..... ± 5% at 50/60 Hz
Voltage Deviation	250...400 Ω at 24 VDC
Maximum Line Load	-40...135 °C / -20...85 °C
Medium / Ambient Temperature	1.0% within 10...40 °C, 2.0% within 0...80 °C, and 4.0% within -40...135 °C
Accuracy	≤ 10 ms (0...99% of span)
Response Time	1.5 x full span
Overload	<input type="checkbox"/> G $\frac{1}{4}$ ", <input type="checkbox"/> G $\frac{1}{2}$ ", <input type="checkbox"/> ¼" NPT, <input type="checkbox"/> ½" NPT
Process Connection	<input type="checkbox"/> .....

## Warranty and Support

### Warranty

COMEKO warrants this product to be free from defects in materials and workmanship for 6 months. If your unit is found to be defective within that time, we will promptly repair or replace it. This warranty does not cover accidental damage, wear or tear, or consequential or incidental loss. This warranty does not cover any defects caused by wrong transportation, storage, installation, or operating (see '**Specifications**').

### Service and Maintenance

The PSQ transmitter does not need any maintenance. It does not contain any controls or components requiring customer adjustment. In accordance to the specific operating conditions and customer country regulations, the installed PSQ transmitter has to be tested regularly (at least once a year), at a specialized laboratory, for accuracy and other important specification coverings.

All service works must be performed ONLY by the manufacturer. In the unlikely event that you encounter a problem with your transmitter, please call your local dealer or contact directly our support team.

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*manufacturing date*

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