

# Mineral Insulated Compact Transmitter

- Scalable from -58...+662°F with PSRC1 programming kit
- Response time in 0.5 seconds
- Zero point and span adjustment
- 4 ... 20mA or optional 20 ... 4mA
- AISI 316L housing



## About

The P63 is a compact, programmable temperature transmitter equipped with a mineral-insulated (MgO) probe and an IP67-rated overmolded casing. Designed for reliability and precision, it is an ideal solution for industrial environments. Reverse polarity protected and available as 4...20mA or 20...4mA.

## Applications

- ✓ Generators
- ✓ Compressors
- ✓ HVAC-R
- ✓ CNC machines
- ✓ Skid Packagers
- ✓ Test Benches
- ✓ Food & beverage
- ✓ Pharmaceutical

# Build Your Part Number

## Series P63

Example: P63L1T1AB1C15C

<b>Series</b>
P63

<b>Probe Length - select one</b>	
L1	100mm
L2	150mm
L4	250mm
L5	350mm
L6	500mm
L9	750mm
L7	1000mm
LX	Custom - please specify under part number; Example: LX = 67mm

<b>Range -58 ...+662°F - select one</b>	
TI	0...302°F factory calibrated default Note: can be scaled by user with PSRC1 configuration kit (see page 6) Note: from zero point to full span, minimum tolerance = 68°F
XX	Use "X...XXX" for custom ranges (Ex: ex: -0...+125°F / ex: -32...+95°F / ex: +25...400°F) Please inform range below part number Note: from zero point to full span, minimum tolerance = 68°F

<b>Output Signal - select one</b>		<b>Supply</b>	
A	4 ... 20mA	24	(5.5 ... 32) VDC
Y	20 ... 4mA	24	(5.5 ... 32) VDC

<b>Probe break - select one</b>	
B1	Auto default to 3.6mA
B2	Auto default to 21mA

<b>Short Circuit - select one</b>	
C1	Auto default to 3.6mA
C2	Auto default to 21mA

<b>Process Connection - select one</b>	
5C	1/4" NPT male
5E	1/2" NPT male
5N	G1/4" male
5Q	G1/2" male
5X	3/4" Tri-clamp
5V	1 1/2" Tri-clamp

<b>Mating Electrical Connection Assembly - optional; will be quoted as a separate line item</b>	
<b>Part#</b>	
PSE1	M12x1, 5 pole - straight with cable gland (field wireable)
PSE2	M12x1, 5 pole - straight with 1 meter PUR cable
PSE3	M12x1, 5 pole - straight with 3 meter PUR cable
PSE4	M12x1, 5 pole - straight with 1 meter PUR shielded cable
PSE5	M12x1, 5 pole - straight with 3 meter PUR shielded cable
PSE6	M12x1, 5 pole - 90° (field wireable)
PSE7	M12x1, 5 pole - 90° with 1 meter PUR shielded cable
PSE8	M12x1, 5 pole - 90° with 3 meter PUR shielded cable

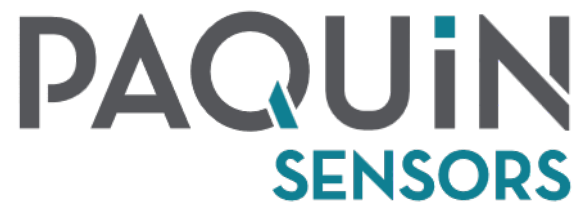
<b>Range Configuration Kit - optional; will be quoted as a separate line item; see page 4</b>	
<b>Part#</b>	
PSRC1	To be used with a PC and windows operating system



# PSRC1 Range Configurator Kit

Technical Parameters		
<b>Communication Interface</b>	Connect to PC by USB	No additional power source required
	Compatible operating systems	Windows 7,8,10 (32 or 64 bit edition)
	Free space on PC	50 Mbytes
	PC port	1x USA 1.1 or later type A port
<b>Electrical</b>	Galvanic isolation	2KVdc/1s
<b>Environmental</b>	Operating temperature	0...+122°F
	Storage temperature	-4...+185°F
	Humidity	0 ...90%
<b>EMC</b>	In accordance to	EN 61326-1 :2013 (CE)
	In accordance to	BS EN 61326-1 :2013 (UKCA)





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