

WS-TPCS Clamp on temperature transmitter

4-20mA or 0-10VDC output



Features

- Wide choice of temperature ranges
- Output 4-20mA or 0-10VDC

Description

Designed to measure temperature conditions on the surface of liquid flow lines. The sensor element is enclosed in a brass contact stud which is clamped to the surface of the pipe work in a position to measure the controlled condition.

For chilled water applications the sensor element and terminal board is epoxy sealed to prevent the influence of condensation in low temperature conditions.

In addition to 4-20mA and 0-10VDC output models the sensor is also available with a range of temperature measurement elements e.g. Pt100. Contact AIC for details.

For best results use a heat conducting contact paste.

This transducer is ideal for direct connection to a PLC or can be used with AIC's extensive range of DC analog input instrumentation.

Visit [AIC's website \(http://www.aicpl.com.au\)](http://www.aicpl.com.au) for information about Amalgamated Instrument Co (AIC) instrumentation products.

Specifications

Accuracy:	±0.4°C for 40-20mA ±0.5°C for 0-10VDC
Ambient temp:	-40 to 70°C
Enclosure:	Flame retardant polycarbonate
Contact stud:	Brass
Band:	Plated steel adjustable 15 to 125mm dia.
Supply:	2-wire loop powered or 24VAC/DC supply for 0-10VDC output
Output:	4-20mA or 0-10VDC
Body dimensions:	60mm x 60mm x 36mm (cable entry 20mm)
Protection:	IP65
Terminals:	2.5mm ² max wire

Order Codes:

WS-TPCS/40 - output 4-20mA range -10 to 40°C
WS-TRCS/110 - output 4-20mA range -10 to 110°C
WS-TRCS/160 - output 4-20mA range -10 to 160°C
WS-TPCS/40/R - output 4-20mA range -10 to 40°C, (epoxy sealed chilled water model)
WS-TPVCS/40 - output 0-10VDC range -10 to 40°C
WS-TPVCS/100 - output 0-10VDC range 0 to 100°C
WS-TPVCS/40/R - output 0-10VDC range -10 to 40°C, (epoxy sealed chilled water model)

WSTPCS-1.0-0

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