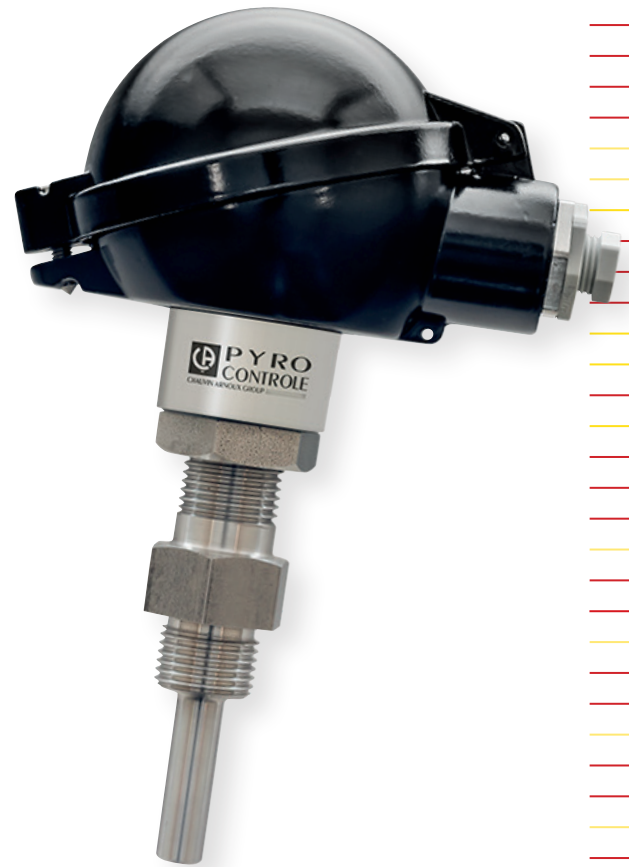


RW3050

Screw-on temperature sensor
with 4-20 mA transmitter



► Specific features

- excellent measurement stability
- interchangeable sensing element
- 4-20 mA output with galvanic isolation
- anti-vibratory structure

► Description

Comprising a thermowell, this screw-on temperature sensor is fitted with an interchangeable sensing element.

This specific assembly makes it possible to replace the measuring insert without halting operation of the application, thus avoiding any mechanical stress. With its rugged, anti-vibratory construction, this sensor has all the necessary qualities for difficult environments. It is also equipped with a 4-20 mA transmitter which converts the temperatures measured into a linear current signal.

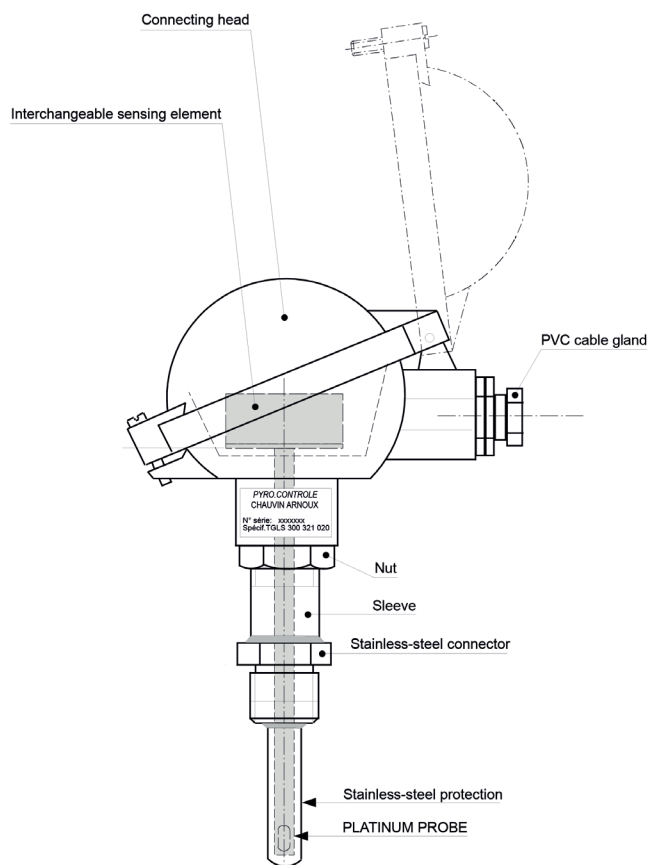


► RW3050 Technical Specifications

Operating conditions	Operating temperature range	-40°C to +150°C for sensing element -40°C to +85°C for transmitter
	Pressure	Atmospheric
	Humidity	0 to 100 % RH with head closed 0 to 95% RH transmitter only
	Ingress protection	IP65
Sensing element (interchangeable without draining)	Type	Pt100 Ω at 0°C, Class A
Transmitter	Output signal	4-20 mA linearized
	Transmitter power supply	8.0 to 35 Vp-p
	Maximum load resistance	$\leq (V_{\text{supply}} - 8)/0.023$
	Probe breakage signal	23 mA
	Linearity error	< 0.1% of MS*
	Influence of ref. ambient temperature at 25°C	+/- 0.01% of MS/°C
	Error according to supply voltage	> 0.005% of MS/V
Mechanical fastening	Screw connector	G1/2 threading on 15 mm
Connecting head	Material	Aluminium alloy
	Protection	Epoxy paint
	Cable gland	PVC for cable from 3.5 to 6.5 mm
	Head type	DIN DAN-V

*MS: Measurement Scale configured from -40°C to +150°C

► Drawing



► Standards and qualification

- Rail standards:
NF EN 60751, IEC 61373 Cat 1 Class B, IEC 751, EN 50121-3-2, NF F 16-101, NF F 16-102 IEC 60529, ISO 228-2000, ISO 228-2 : 1987
- Qualification:
Alstom Transport as per TGLS 300 321 020/B2 ;
DTR0000072520
SNCF as per 7.862.7207

► To order

Description	Reference
RW3050 sensor C93139 definition drawing	LC93139-000
Interchangeable sensing element	LC93139-001

► Other specifications

Specific product made to specifications:
please contact us.

FRANCE
Pyrocontrole
6 bis, av du Docteur Schweitzer
69881 MEYZIEU Cedex
Tél : +33 4 72 14 15 40
Fax : +33 4 72 14 15 41
info@pyrocontrole.com
www.pyrocontrole.com

UNITED KINGDOM
Chauvin Arnoux Ltd
Nelson Ct, Flagship Sq, Shaw Cross Business Pk
Dewsbury, West Yorkshire - WF12 7TH
Tel: +44 1924 460 494
Fax: +44 1924 455 328
info@chauvin-arnoux.co.uk
www.chauvin-arnoux.com

MIDDLE EAST
Chauvin Arnoux Middle East
P.O. BOX 60-154
1241 2020 JAL EL DIB - LEBANON
Tel: +961 1 890 425
Fax: +961 1 890 424
camie@chauvin-arnoux.com
www.chauvin-arnoux.com

 **CHAUVIN
ARNOUX**
GROUP