

HIGH-PRESSURE TEMPERATURE SENSOR

For measuring temperatures in
extreme-pressure environments
(Polyethylene and Ethylene (LDPE) units)

- Pressure range up to **4,700 bars**
- Very short response time,
less than one second
- Resistant to shocks and vibrations
- Compliant **ATEX/ IECEx**
- Particularly compact, **3 mm** in diameter



Petrochemicals



Vapocracking



Cracking and hydrocracking

■ Operation

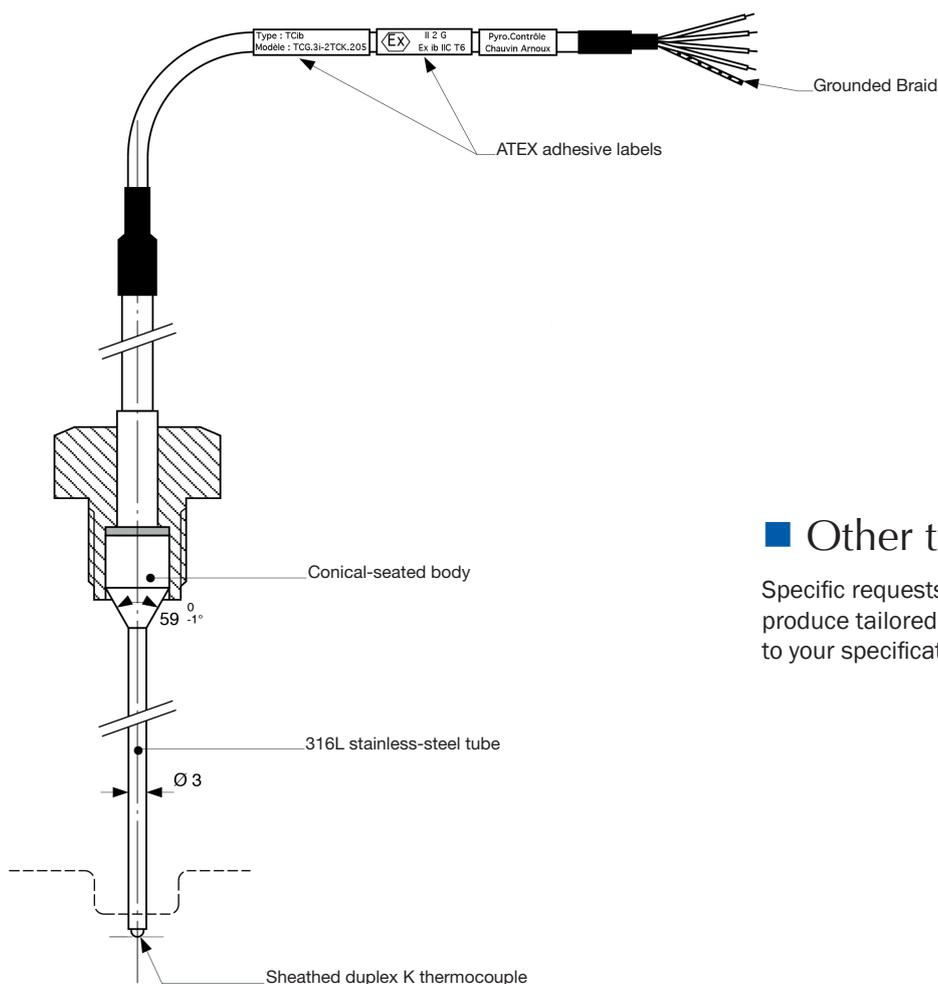
Developed to measure temperature in high-pressure environments, this qualified sensor can be used for reliable, accurate measurements of fluid temperatures, with a response time under 1 second.

Comprising an immersible part, it is mounted with a screwed fitting and fastened with superimposed cones providing top-quality sealing.

■ Specifications of a type of high-pressure sensor

Operating temperature	up to 350 °C
Response time	0.6 s.
Maximum pressure	3,500 bars
Test pressure	4,700 bars
Fluid speed supported	100 m/s
Measuring element	Type-K duplex thermocouple
Protective sheath	Diameter 3 mm Metal, 316L Mounting by screwed fitting Superimposed cone seal

■ Design diagram



■ Other types

Specific requests: our R&D Department can produce tailored temperature sensors according to your specifications.

FRANCE
Pyrocontrôle
 6 bis, av du Docteur Schweitzer
 69881 MEYZIEU Cedex
 Tel: +33 4 72 14 15 55
 Fax: +33 4 72 14 15 41
 export@pyro-contrôle.tm.fr
 www.pyrocontrôle.com

USA
Chauvin Arnoux Inc
d.b.a AEMC Instruments
 200 Foxborough Blvd.
 Foxborough - MA 02035
 Tel.: +1 (508) 698-2115
 Fax: +1 (508) 698-2118
 sales@aemc.com
 www.aemc.com

CHINA
Shanghai Pu-Jiang
Enerdis Instruments Co. Ltd
 3 F, 3 rd Building
 N° 381 Xiang De Road
 200081 SHANGHAI
 Tél. : +86 21 65 21 51 96
 Fax : +86 21 65 21 61 07
 info@chauvin-arnoux.com.cn