

Gas Transmitter

TE2C

Main characteristics

- Modular
- Stand alone
- Accuracy and repeatability
- Fast response

Main applications

- Thermal treatment
- Inerting
- Gas blending
- On site nitrogen generator



The TE2C is a modular transmitter that gives reliable and accurate gas measurements. It can be used either on ambient environment to prevent hazardous situation, or in a gas stream to monitor and/or optimize a process.

It is a cost effective stand alone instrument, housed in an industrial casing manufactured in stainless steel.

The transmitter TE2C uses a 2 wires technology, which requires a 18-30 VDC power source. It delivers a 4-20 mA analogue output signal, linear and proportional to gas content.

The TE2C offers the possibility to have several different ranges, in order to adapt to every situation with the best accuracy.

Technical characteristics

Power supply	24 VDC ($\pm 20\%$), 2 wires wiring
Analogue output signal	4-20 mA linear, corresponding to full scale
Operating temperature	From $+5^{\circ}\text{C}$ to $+50^{\circ}\text{C}$
Temperature compensation	Between $+5^{\circ}\text{C}$ and $+40^{\circ}\text{C}$
Materials in contact with gas	Stainless steel (except cell)
Recommended flow rate	From 0.5 to 1 L/min
Recommended pressure	Atmospheric pressure $\pm 10\%$
Dimensions (L * l * h)	75 * 50 * 50 mm
Weight	300 g

Technical specifications may change without previous warning

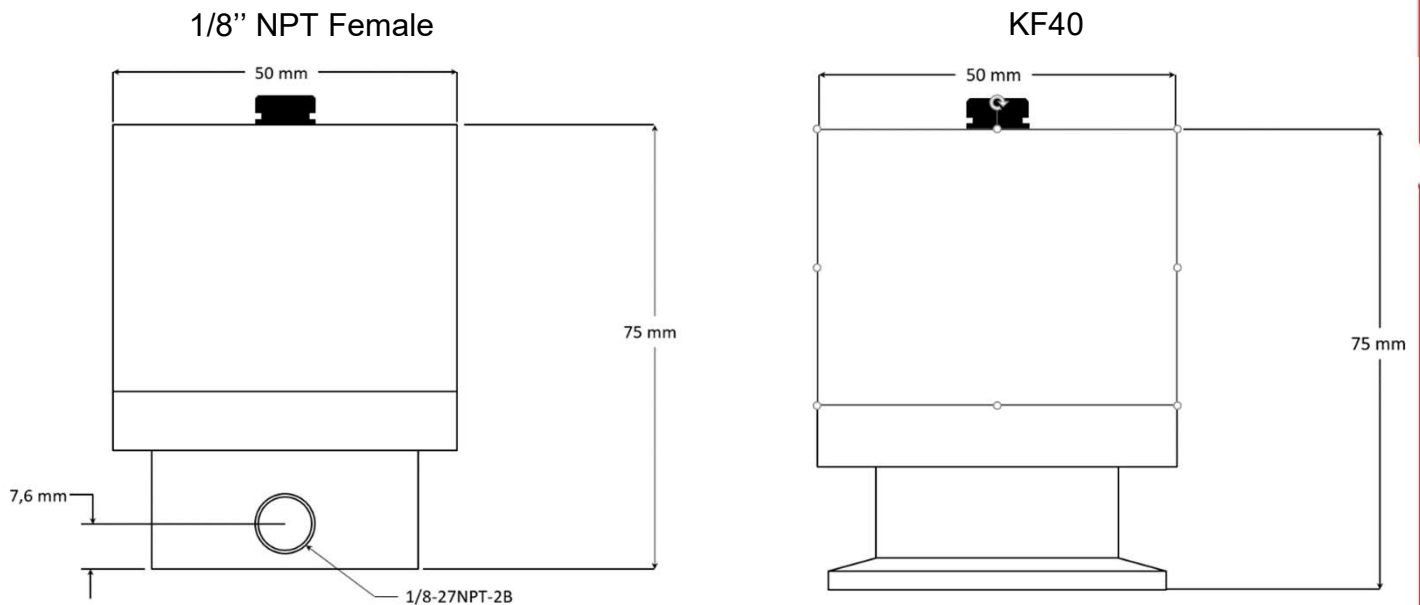
Cells characteristics

Measured Gas*	Technology	Range	Scales**	Accuracy	Shelf Life
Oxygen	Electrochemical	0 – 10 000 ppm	0 – 100 ppm 0 – 1 000 ppm 0 – 10 000 ppm 0 – 25%	1% of full scale	1 to 2 years
		0 -100%	0 – 1% 0 – 10% 0 – 25% 0 -100%	1% of full scale	1 to 2 years

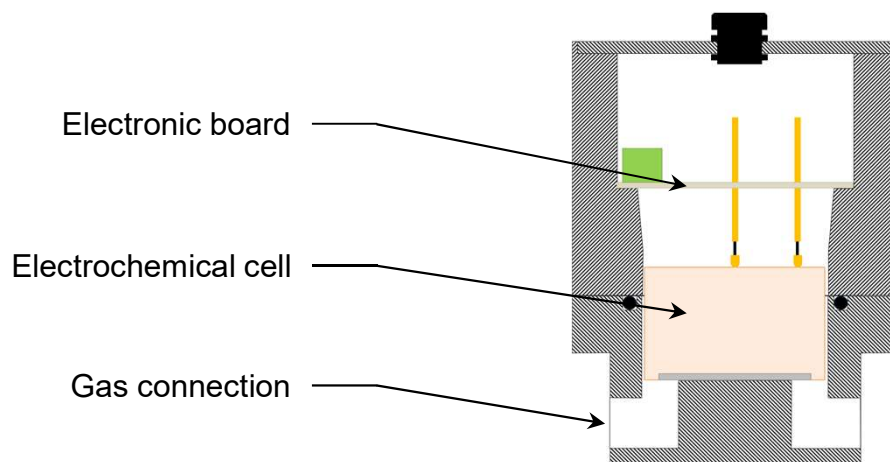
* For other gases, please contact us

** Other scales available on request

Dimensions



Functioning scheme (for electrochemical sensors)



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Ordering Guide

Instrument	
TE2C	ARCTE2C
Range Unit	
Part Per Million (ppm)	PPM
Percent (%)	%
Measured Gas	
Oxygen	O2
Sensor Technology	
Electrochemical	-E
Sensor Type and connetion	
Circulation - 1/8" NPT Female	C00
Natural (Ambient) - KF40	N02

Example for Oxygen ppm electrochemical, circulation 1/8" NPT Female : ARCTE2CO2PPM-EC00

Spare Parts	
O2 ppm Electrochemical	ARCB210
O2% Electrochemical	ARCB310