

5200 TWIN Transmitter for O₂ Vol% measurement + COe



AVAILABLE OPTIONS:

- pneumatic unit for supplying the probes with reference gas and / or calibration gas
- automatic calibration by using a pneumatic unit

The Transmitter ISATEC 5200 TWIN is the control, evaluation and supply unit for ISATEC O₂ + COe Flue gas probes.

Transmitter ISATEC 5200 TWIN supplies separate signals for O₂ and COe and is mounted into a wall mounting housing with protection class IP 65 for General applications. For installations in Ex Zone 1 classified areas the Transmitter ISATEC 5200 TWIN is also available in an Ex-d certified housing.

ISATEC O₂ + COe Flue gas probes are equipped with Zircon dioxide sensors with Platinum electrodes which are known for their long-life expectancy.

The transmitter ISATEC 5200 TWIN supplies the current for the heater for the Zircon dioxide sensor.

It monitors continuously in the ISATEC flue gas probes for accuracy and plausibility.

The display of the transmitter shows the actual measuring values, the status signals and other important values such as heater current, offset and possible errors. The oxygen value is provided for further transmission via the free analogue signal port and via the digital RS 232 interface.

ISATEC 5200 TWIN Transmitter

TECHNICAL SPECIFICATIONS

Analyser	ISATEC 5200 Transmitter TWIN
Measuring principle	ZrO ₂ sensor
Applications	Flue gas measurement Gases Industries Chemical Industries
Probes	ISATEC 3211-1500 O ₂ + COe In-Line Flue gas probe ISATEC 3211-1600 O ₂ + COe in-line high temperature probe ISATEC 3212(3213)-860/150 O ₂ + COe In-line flue gas probe Ex-Zone 1 + 2
Measuring range	0 ... 25 Vol % O ₂ / 0...3.000 ppm COe
Analogue signal port	2 x (0) 4 ... 20 mA or 0 ... 10V, galvanically separated, one for each component
Reproducibility	± 2 % of the measuring value O ₂ / ± 5 % of the measuring value COe
Resolution	O ₂ - 0,01 %, COe 1 ppm
T-90 Time	O ₂ < 20 Seconds / COe < 10 Seconds
Display	2* 16 digit, illuminated LCD display 1. Line: display of concentration Vol % O ₂ 2. Line: COe messages, device status, sensor parameters
Messages	1 system message (measuring value yes / no) max. 2 freely configurable as value messages
Digital communication	serial interface RS232
Ambient operating Temp.	+5°C up to +60°C
Power supply	24 VDC, 110...230 VAC
Protection class/Housing/Dimensions	IP65 / wall mounting housing / ca. 300 x 320 x 130 mm Ex-d housing for Zone 1 / ca. 300 x 250 x 200 mm
Weight	3,5 Kg