

5200 Transmitter for flue gas probes



AVAILABLE OPTIONS:

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

The transmitter AMS 5200 is the control, support and evaluation unit for ISATEC Flue gas probes. It features state-of-the-art microprocessor technology. An extensive range of accessories and flue gas probes allows the use of the transmitter 5200 for almost every application. Currently, the transmitter ISATEC 5200 is in preparation for QAL 1 - certification according to European Environmental Regulations.

ISATEC Flue gas probes are equipped with ZrO_2 sensors with Platinum electrodes which are known for their long-life expectancy. The Transmitter ISATEC 5200 monitors continuously the Zircon dioxide sensor in the ISATEC flue gas probes for accuracy and plausibility.

Transmitter ISATEC 5200 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 is also available in an Ex-d certified housing.

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 potential free analogue signal port and via the digital RS 232 interface.

The other values are available via potential free contacts.

ISATEC 5200 Transmitter

The O₂ Transmitter ISATEC 5200 can be integrated into a computer network by wireless Ethernet using the bi-directional RS232 interface on the Transmitter. Remote service via Ethernet or Internet is most common in conjunction with continuous emission monitoring system, especially for the electronic measuring data processing. Remote service increases the availability of a measuring system and reduces the cost for service and downtime.

TECHNICAL SPECIFICATIONS

Measuring principle	ZrO ₂ sensor with P-t electrodes
Applications	Soldering machines OEM Application Gases Industries Chemical Industries
Probes	ISATEC 3211-500 Standard in-line probe ISATEC 3211-600 High temperature probe (up to 1750°C) ISATEC 3211-700 High temperature probe for high-purity gases ISATEC 3211-860/150 ATEX Zone 1 probe ISATEC 3210-860/150 ATEX Zone 2 probe
Measuring range	0-25% Vol.
Analogue signal port	(0) 4 ... 20mA or 0...10 V, galvanically separated
Reproduceability	± 2% of the measuring value
T-90 Time	ca. 20 Seconds
Display	2* 16 digit, illuminated LCD display 1. Line: display of concentration in ppm or Vol % 2. Line: messages, device status, sensor parameters
Digital communication	serial interface RS232
Ambient operating Temp.	+5°C up to +60°C
Power supply	24 / 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	2,5/3 Kg