Transdox-5100C

HIGHEST ACCURACY & LOWEST COST

Portable Multi-Gas Analyzer

Transdox-5100C

Portable Multi-Gas Analyzer:

* Transdox 5100C: CH_4 - CO_2 – CO - O_2.

7” Full color touch screen interface.

USB port.

Eight-hour lithium battery.

amperis

www.amperis.com

AMPERIS PRODUCTS S.L
Agricultura,34
27003, Lugo, Spain

Contact

+T [+34] 982 20 99 20 | F [+34] 982 20 99 11
info@amperis.com | www.amperis.com

The Transdox 5100C is the latest portable multi-gas analyzer designed for controlling and monitoring industrial process gas in a wide range of applications. The analyzer is housed in a rugged IP66 Peli-case with eight-hour lithium battery & weighing 7kg, making this a truly portable field instrument.

The analyzer simultaneously measures methane, carbon dioxide & carbon monoxide using precision infra-red detectors, and oxygen using a long-life electrochemical sensor. The sensors are specifically designed and calibrated to avoid any cross interference effects with the background gas. The modular design means virtually any combination of sensors is possible.

Using an internal sample pump, the four gases are analyzed and data-logged simultaneously and just a few minutes are required to get a stable reading. Safety is ensured by the incorporation of a flash back arrestor in the gas measuring circuit.

Incorporating a 7” full colour touch screen interface with soft menu keys and a thermal printer for permanent record keeping the Transdox is easy to operate both in permanent or sampling modes. All data is permanently logged for review at a later date. Data can be downloaded via a USB memory stick and is MS Excel formatted.

The analyzer is supplied with a sampling hose and probe fitted with particle and water traps to ensure only clean gas enters the measurement chamber. Everything required fits neatly inside the Peli-case for convenient operation.

Features:

- Portable battery powered CH_4 - CO_2 – CO - O_2 gas analyzer.
- Lithium Ion battery with 8-hour operation.
- High precision infra-red gas detector for CH_4 - CO_2 – CO analysis.
- Long-life electrochemical O_2 sensor fitted.
- Permanent or Sampling modes available.
- Housed in a rugged IP66 Peli-case.
- Thermal printer fitted as standard.
- 7” full colour LCD display with touch screen operation.
- Full data-logging and Excel compatible data download onto memory stick.
- Multi-Language (English, French, German, Spanish, Portuguese, Mandarin).
- Password protection feature.
- Supplied with a sampling hose & probe with moisture trap and particle filter.
- Safety protected with flash-back arrestor.
- Modular design allows bespoke sensor combinations on request.

Applications:

- Analysis and monitoring of industrial process gases.
- Landfill sites.
- Water treatment processes.
- Syngas and gasification atmospheres.
- Heat treatment processes.
- CDM Projects (Clean Development Mechanism).

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Specifications Transdox 5100C Multi-Gas

Technical Data: Analyzer

Voltage	90-260Vac, 50/60Hz
Analyzer dimensions	480mm x 360mm x 180mm
Weight	7 kg
Display	7" full colour LCD display with touch screen operation
Warm up time	3-4 minutes at 20°C
Operating temperature	-10°C to 40°C
Sample pump	0-1 litre per minute
Battery Life	In excess of 8 hours with 4-6 hour charge time
Data Output	Excel compatible data via USB memory stick
Printer	Thermal printer: output of results on demand
Sample connections	6mm OD / 4mm ID Rectus / style closed coupled fittings

Technical Data: Sensor

CH_4 Sensor*	Infra-red 0-5% (LEL) or 0-100%; ± 1% FS accuracy; Resolution 0.1%
CO Sensor*	Infra-red 0-2%,0-10% or 0-100%; ± 1% FS accuracy; Resolution 0.1%
CO_2 Sensor*	Infra-red 0-5000ppm, 0.5%, 0-10%, 0-20%, 0-30% or 0-100%; ± 1% FS accuracy; Resolution 0.1%
O_2 Sensor	Electrochemical cell 0-100%; ± 1% FS accuracy; Resolution 0.01%
Life expectancy	>5 years for CH_4 , CO and CO_2; 3-5 years for O_2
Measurement time	Approx 2 mins
Calibration	Zero and span calibration with two user-selectable gases

*Ranges should be selected at time of order.

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