

Trace Oxygen Analyser AMS 3185

The AMS 3186 is the successor of the old AMS 3185 trace oxygen analyser. We don't manufacture AMS 3185 anymore, but we ensure the service and maintenance.

Technical Data

Analyser	AMS 3185
Measuring principle	Electrochemical oxygen sensor
Application	Gases Industries, Chemical Industries
Measuring range	max. 4, automatic selection, digital ID 0 ... 10, 0 ... 100, 0 ... 1000, 0 ... 10000 ppmv
Analogue signal port	0 (4) ... 20mA, galvanically separated, with measuring range changeover and digital identification
Reproducibility	+/- 2 % of the measuring value
Resolution	0,01 ppm – C(O ₂) – 1 ppm depending on the O ₂ concentration
T90-Time	ca. 40 seconds
Display	2* 20 digit, illuminated LCD display
Messages	2 free adjustable isolated changeover relays
Gas connection	inlet / outlet 3 / 6 mm ferrule pack
Gas sampling	built-in inlet / outlet valve, flowmeter
Sample flow	min. 20 NI/h, max. 40 NI/h
Sample pressure (inlet)	min. 1,01 bar abs., max. 2 bar abs.
Sample pressure (measuring cell)	max. 50 mbar pressure
digital communication	serial interface RS 232
Ambient operating temp.	- 5 °C up to + 45 °C
Relative humidity of the gas	0 ... 99 % not condensing
Power supply	230 VAC, 24 VAC
Protection / Housing / Dimensions	IP 55 / wall mounting housing / 19", 3 HU, 473 mm deep IP 20 / 19" rack, 3 HU
Ex-classification	in IP 55 wall mounting housing with inert gas purge also qualified for applications in Ex-Zone 2
Weight	5 – 7 kg
Options	bypass- and purge valve, manual electronically flow control external sensor heated sensor sampling pump Auto-calibration, also with remote control automatic purge of the sensor pressure reducer max. 10 bar, out 50 mbar
Version: AMS 3185 E V01-2010-12	