

Trace Oxygen Analyser AMS 3140



We don't manufacture AMS 3140 Ex anymore, but we ensure the service and maintenance.

Technical Data

Analyser	AMS 3140 Ex
Measuring principle	Electrochemical Oxygen Sensor
Application	Gases Industries, Chemical Industries
Measuring ranges	max. 2, automatic switch-over, digital range recognition
Measuring range	0 ... 10, 0 ... 10000 ppmv
Analogue signal port	(0) 4 ... 20mA, galvanically separated with automatic switch-over and digital range recognition
Reproducibility	+/- 2 % of measuring range
Resolution	0,01 ppm – C(O ₂) – 1 ppm depending on O ₂ concentration
T90-Time	ca. 40 Seconds
Display	8 digit LCD Display, illuminated, for measuring values 2* 20 digit LCD Display, illuminated, for operator settings
Messages	2 potential free adjustable messages
Gas connection	Inlet / Outlet 3 / 6 mm Ferrule pack
Gas sampling	integrated Inlet- / Outlet valve, mechanical flow meter
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 Over pressure
Digital communication	serial Interface RS 232
Ambient operating temp.	- 5 °C bis + 45 °C
Relative Humidity	0 ... 99 % not condensing
Power supply	24 VDC
Protection / Housing	IP 65 / Wall mounted housing /
Dimensions	400 x 500 x 200 (HxBxT)
Ex-classification	Certification: IBE _x U10ATEX1136 ATEX II 2(1)G Ex de (ia Ga) IIC T6 Gb
Weight	18 kg
Options	Manual By-pass and Purge valve Pressure reducer max. 10 bar, out 50 mbar
Version: AMS 3140 E 01-2011-07	