

OXY²F

FUEL CELL
NITROGEN
ANALYZER



THE EPITOME OF RELIABILITY

The OXY F analyzer had always been the flagship of Nitrogen analyzers. The precision of a paramagnetic sensor, with the resilience of a Zirconia, yet operating with fuel-cell technology. The 2nd generation keeps the same qualities, extending them through system integration, ergonomy of use, and auto diagnostics.

Development and production of professional electronic equipment since 1990.



GRYF
Manufacturer of Electronic
Measuring Instruments

UNLIKE ANY OTHER

The embedded solenoid valves protect the sensor when Oxygen concentration rises above safe limits, the same as during its storage period. Inner flow control and many other unique technical enhancements contribute to outstanding stability and exceptional lifespan of the sensor.



INNOVATIVE AND COMPATIBLE

Integrated display showing reading results and allowing calibration without any additional device. Fulfilling dimensional requirements for most of the existing relevant PSA devices. Both 4-20mA and Modbus RTU interface. System for logging operation conditions accessible by Android application.

THE QUALITY YOU DESERVE

In GRYF, we believe that there is no space for compromise in engineering. That is why thousands of our customers worldwide choose our technologies for projects to have the highest reliability and superior precision.

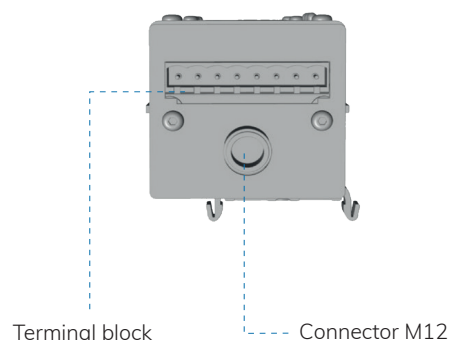
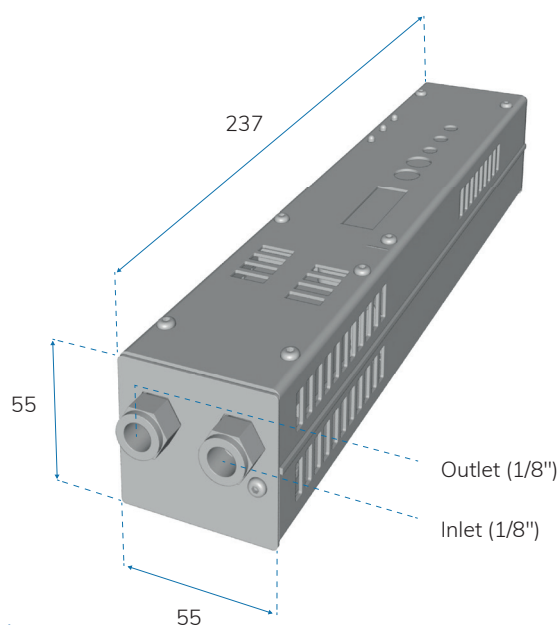


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BASIC TECHNICAL PARAMETERS

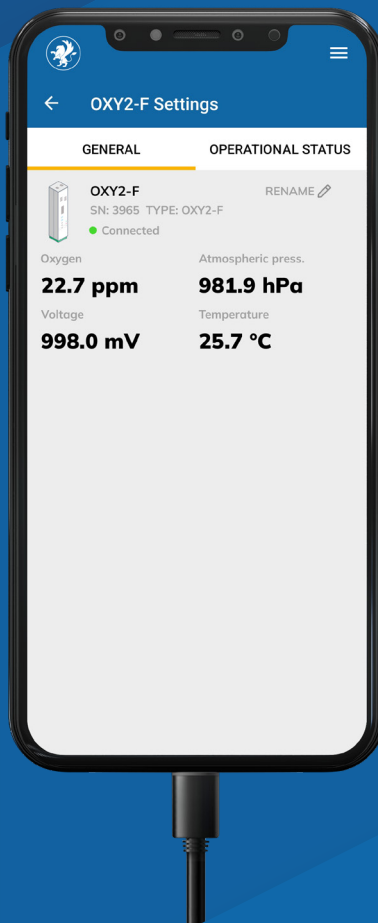
Supply voltage	24 V/dc \pm 10%
Supply current	60 mA
Output analog signal	4 ÷ 20 mA
Data communication	Modbus RTU (RS485)
Oxygen concentration measurement range	0.001 ÷ 5000%
Sensitivity (resolution)	0,001%
Lowest measurable concentration	0,001% (10 ppm)
Resolution of current output	0.002 % (output 0 ÷ 5 %) 0.001 % (output 0 ÷ 2 %)
Accuracy	\pm 1 % from value, \pm 0.001
Signal stabilization	30 sec
Signal NO FAULT	24V, max. 100mA
Measured gas flow	0.2 ÷ 0.3 l / min
Inlet pressure	1 Barg \pm 0.1 Bar
Maximum allowable pressure - PS	2 Bar
Operating temperature	0 °C ÷ 50 °C [32 °F ÷ 122 °F]
Dimensions	237x55x55mm
Sensor Lifetime	24 months at concentrations <2%





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GDM COMPLIANT

Use the Gryf Device Management Interface and your mobile phone for measurement, diagnostics, and service of your OXY2-F analyzer.

ABOUT US

We are a modern Czech technological company with experience of development and manufacturing professional measuring equipment since 1990. Our equipment enhances the efficiency, user-friendliness and reliability of industrial operations in a variety of applications.

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