Galaxy® Gas Analyzers for CO_2 Incubators

Accurate Measurement and Verification of Key Parameters in the Palm of Your Hand

Galaxy Gas Analyzers are designed to accurately and reliably monitor key environmental levels within incubator chambers. These user-friendly, compact instruments enable quick and easy verification of CO_2, O_2 and RH levels with optional dual channel temperature measurement. Our newest models have been developed to incorporate the latest technologies and specification requirements, providing the user with a fast, simple-to-use and accurate method of evaluating key environmental conditions.

Actual Size of Unit is 165 x 100 x 55mm
(6.5 x 3.9 x 2.2")

Three Models

- CO_2 (0 - 20%) Analyzer
- CO_2 (0 - 20%) and O_2 (0 - 100%) Analyzer
- CO_2 (0 - 20%), O_2 (0 - 100%) and RH (0 - 100%) Analyzer

Features

- CO_2 measurement range 0 - 20%
- Highly accurate, reliable performance
- Integral hydrophobic sample filter
- Simple calibration procedure
- On-board data storage – up to 1,000 readings
- Large, well-lit and easy-to-read display
- Built-in stand

Options

- Optional temperature probes can be added to any model to provide up to two independent temperature measurements 0 - 50°C
- PC-based external storage and data management software

Galaxy… meeting your cell culture demands today, and into the future.

New Brunswick
an eppendorf company

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Product Specifications

Gas Ranges		
Gases Measured	CO_2	By custom dual wavelength infra-red cell reference channel
	O_2 (Optional)	By internal electrochemical cell
Oxygen Cell Lifetime	Approximately 3 years in air	
Range	CO_2	0 - 20%
	O_2	0 - 100%
Measurement Accuracy	CO_2	Accuracy ± (1% measuring range +2% of reading) at reference points
		Temperature dependence ± 0.2% reading °C (typical at 5% CO_2)
		Pressure dependence ± 0.02% of reading/hPa (typical at 5% CO_2)
	O_2	± 1.0% measuring range at constant temperature and pressure
		± 2.0% measuring range over operating temperature range
Response Time T^{90}	CO_2	≤ 20 seconds
	O_2	≤ 60 seconds
Facilities		
Temperature (Optional)	x2 using optional probes 0°C to +50°C	
Temperature Accuracy (Typical)	± 0.2°C from 32 to 44 °C, ± 0.5°C over the rest of the range	
Barometric Pressure	800 - 1200 mbar	
RH Measurement (Optional)	RH Probe 0 - 100% RH non-condensing	
RH Accuracy	± 1.5% RH across the range	
Visual and Audible Alarm	User-selectable CO_2 and O_2 alarm levels	
Communications	USB type B mini-connector, HID device class	
Data Storage	1000 readings	
Environmental Conditions		
Operating Temperature Range	5°C - 40°C	
Relative Humidity	0 - 95% non-condensing (RH Probe 0 - 100% non-condensing)	
Barometric Pressure	± 200 mbar from calibration pressure	
Physical		
Weight	495 grams (1 lb, 1.5 oz)	
Size (Length x Width x Depth)	165mm x 100mm x 55 mm (6.5 x 3.9 x 2.2")	

Ordering Information

Analyzer Models & Options	Catalog Number
Galaxy CO_2 Analyzer	P0628-6150
Galaxy CO_2 and O_2 Analyzer	P0628-6831
Galaxy CO_2, O_2 and RH Analyzer	P0628-7890
Calibration Gas & Analyzer Accessories	**Catalog Number**
Temperature probe 5mm tipø	P0628-7881
Temperature probe 100mm tipø	P0628-7880
Calibration Gas 5%, 20 liter disposable canister	P0628-7211
Control valve & flow indicator for 20 liter disposable canister	P0628-6061
Calibration Gas 5%, 105 liter disposable canister	P0628-7210
0.3 liter/min flow regulator w/pressure gauge†	P0628-7221
Spare inlet filters (pack of 5)	P0628-7660
Soda lime filter kit	P0628-7860
Spare sample tube and filter	P0628-7870
RH probe, direct fix to Analyzer (for IAQ)*	P0628-7830
RH probe c/w 1m flying lead to connect to Analyzer*	P0628-7820
Regulator and tubing for calibration gas	P0628-7850
Additional hard carry case	P0628-7800
PC data management software	P0628-7840
USB lead for Analyzer	P0628-7810
Mains charger	P0628-7900

ø Up to two probes can be fitted to all analyzers, providing two independent temperature measurements.
† For reusable 105 liter cylinder.
* Only suitable for use with Analyzers originally featuring this function.