DG112

Digital CO_2/O_2 Probe

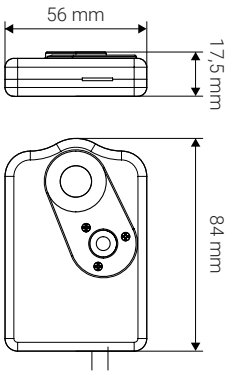
The challenge of measuring gas concentrations within incubators is indeed complex, particularly due to the potential for disturbance to the incubator's environment caused by gas aspiration. The precision of gas measurement is crucial in applications such as cell culture, where maintaining an environment that closely mimics in vivo conditions is essential for cell growth and reproduction.

Application & Technology

Digital gas probe
This Digital CO_2 and O_2 probe also represent a significant advancement in incubator control technology. Its innovative flat design make it an ideal choice for a variety of laboratory settings, including desktop incubators.
This probe enables continuous monitoring of CO_2 and O_2 levels, which is crucial for maintaining the optimal environment for cell cultures and other sensitive biological samples.

Specifications

Sensors	NDIR (CO_2), Electro-chemical (O_2)
Measure range	0 - 30% O_2/0 - 12% CO_2
Accuracy	0,2% O_2, 0,1% CO_2 ± 3% of reading
T90	< 20 sec. (O_2), < 15 sec. (CO_2)
Compensation for ambient conditions	Temperature (20 - 40 °C), altitude (700 - 1100 mbar)
Display resolution and update	0,1%, one update per sec.
Cable length	2 m
Compliances	CE with NiloChecker 500 • RoHs
Calibration	Delivered with factory calibration certificate Can be calibrated in accordance with ISO/IEC 17025. 0 - 50 °C Calibration requires adaptor. Part no: 115s001
Operating conditions	5 - 95% RH (Non condensing)



Ordering info

Part no: 112s003 - DG112 VFC (Very flat cable for desktop incubators) - Delivered with Factory calibration certificate
Part no: 800s015 - Factory calibration of Nilotech gas probe incl. factory and gas certificates
Part no: 800s015AC - Acc. Gas calibration of DG probe

Nilotech ApS
Knudstrupvej 14 - DK-4270 Hoeng, Denmark
+45 35 95 32 96 - contact@nilotech.eu - www.nilotech.eu

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