



DG122

## Digital flow-through CO2/O2 probe

DG 122 is a Digital Carbon dioxide (CO2) and Oxygen (O2) probe with very little flow resistance. It is optimal for measuring compositions of gas flowing in tubes or exhausted from sample ports.

### Functions & Technology

#### Dual measurements

Connect the DG122 input port to a gas sample port on the target device and the output port of DG122 to a return port, if available. DG122 measures CO2 and O2 simultaneously. Flow restrictors are available to minimize the flow from a sample port

#### Flexible design

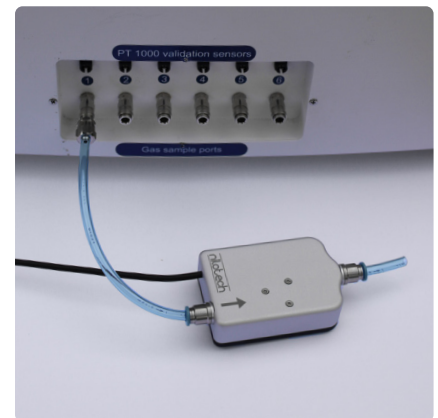
The probe can be placed near- or on- the target device to minimize tubing length.

#### Ease of use

Connect up to 5 pcs DG122 probes simultaneously to each NiloChecker. You can start/stop measurements, monitor progress and store readings for later analysis.

#### Output data

CO2 and O2 in %. The NiloChecker calculates and maps data including min., average, and max. values from any measurement sessions. See NiloChecker specifications for more information.



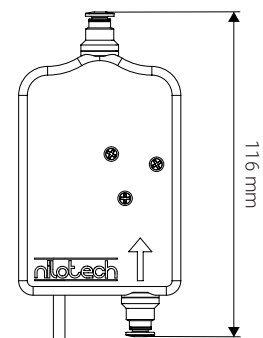
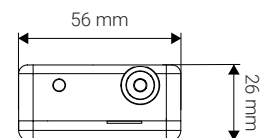
### Specifications

<b>Sensors</b>	NDIR (CO2), Electro-chemical (O2)
<b>Measure range</b>	0-30% O2 / 0-12% CO2
<b>Accuracy</b>	0,2% O2, 0,1% CO2 +/- 3% of reading
<b>T90</b>	<20 sec. (O2), < 15sec (CO2)
<b>Compensation for ambient conditions</b>	Temperature (20-40°C), altitude (700-1100 mbar)
<b>Display resolution and update</b>	0,1%, one update per sec.
<b>Cable lenght</b>	2 m
<b>Tube Fittings</b>	6 mm push-in as standard. Other 1/8" fittings optional.
<b>Compliances</b>	CE with NiloChecker 500. RoHs.
<b>Calibration</b>	Delivered with factory calibration certificate.. Can be calibrated in accordance with ISO/IEC 17025. 0-50°C, Calibration requires adaptor. Part no: 115s001.
<b>Operating conditions</b>	0-40°C, 5-95% RH (Non condensing)



#### Ordering info

**Part no: 122s002** - DG122 Digital flow-through CO2/O2 probe. Delivered with factory calibration certificate.  
**Part no: 122s002** - Calibration of Nilotech gas probe incl. factory and gas certificates.



#### Nilotech Aps.

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