



DG122

## Digital flow-through CO<sub>2</sub>/O<sub>2</sub> probe

The DG122 Digital CO<sub>2</sub>/O<sub>2</sub> probe is a state-of-the-art instrument designed for accurate gas analysis. Its cutting-edge technology allows for minimal flow resistance, which is essential for real-time monitoring in diverse applications.

### Functions & Technology

#### Dual measurements

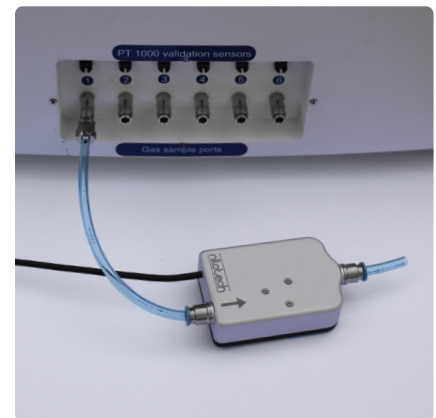
The DG122 is a sophisticated gas analyzer designed to measure CO<sub>2</sub> and O<sub>2</sub> levels simultaneously. To ensure accurate readings, it's essential to connect the DG122's input port to a gas sample port on the target device. If the target device has a return port, the DG122's output port should be connected there. For systems with high flow rates, flow restrictors can be utilized to minimize the sample flow, preventing potential measurement errors and ensuring the integrity of the gas analysis.

#### 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

CO<sub>2</sub> and O<sub>2</sub> in %. The NiloChecker calculates and maps data including min., average, and max. values from any measurement sessions. See NiloChecker specifications for more information.



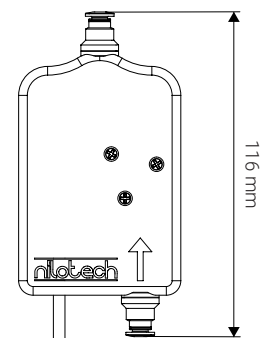
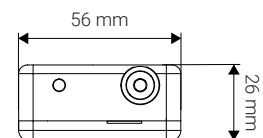
### Specifications

<b>Sensors</b>	NDIR (CO <sub>2</sub> ), Electro-chemical (O <sub>2</sub> )
<b>Measure range</b>	0 - 30% O <sub>2</sub> /0 - 12% CO <sub>2</sub>
<b>Accuracy</b>	0,2% O <sub>2</sub> , 0,1% CO <sub>2</sub> ±3% of reading
<b>T90</b>	< 20 sec. (O <sub>2</sub> ), < 15 sec. (CO <sub>2</sub> )
<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 length</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 CO<sub>2</sub>/O<sub>2</sub> 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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