



DG122

Digital Flow-Through CO₂/O₂ Probe

The DG122 Digital CO₂/O₂ 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.

Application & Technology

Dual measurements

The DG122 is a sophisticated gas analyzer designed to measure CO₂ and O₂ 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. Important: DG122 does not contain a pump and relies on the flow from the target device. Please refer to DG126 for a probe with pump.

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.

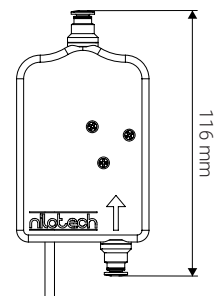
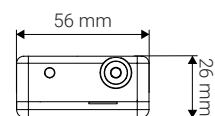
Output data

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

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
Tube fittings	6 mm push-in as standard. Other 1/8" fittings optional.
Compliances	CE with NiloChecker 500 • RoHs.
Calibration	Delivered with factory calibration certificate. Can be calibrated in accordance with ISO/IEC 17025.
Operating conditions	0 - 50 °C Calibration requires adaptor. Part no: 115s001. 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: 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

Document

122d001_03/2026