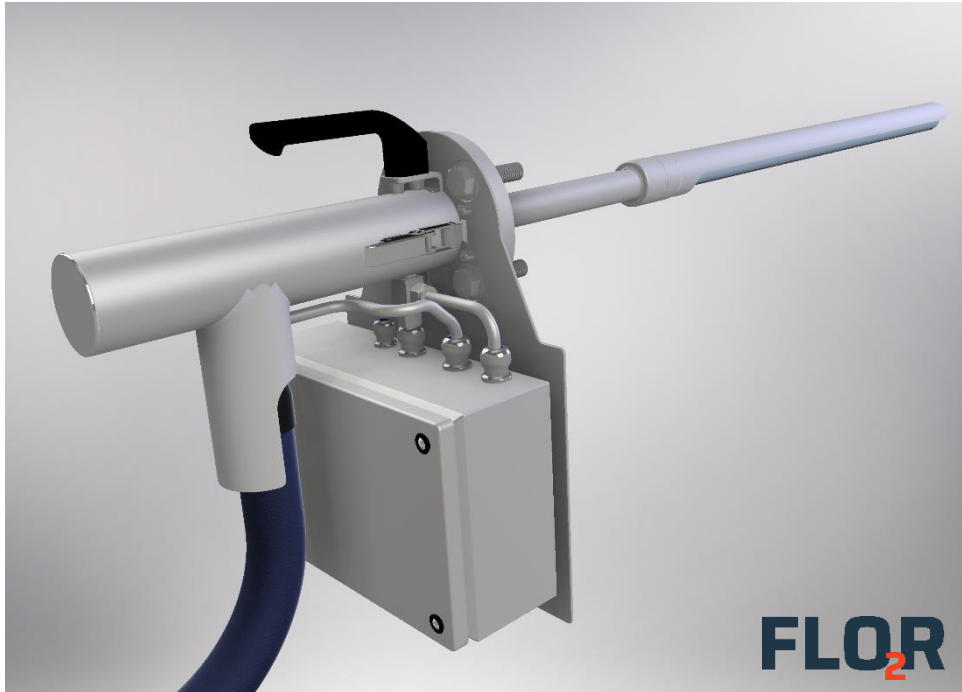


PROBE-600

**HIGH PERFORMING SAMPLING TECHNOLOGY
FULLY HEATED FROM PROBE TIP TO SAMPLE HOSE
BUILT FOR THOURGER PROCESSES**



PROBE 600 is built to provide high sample flow in processes with heavy dust loads

Use it together with the HYBRID-600 system for super-fast high dust laser-based analysis

Utilize its benefits with any extractive gas analysis system

Dust load up to 200 g/m³ (Sample rate 15 l/min)

Dust load +200 g/m³ (Sample rate lower than 15 l/min)

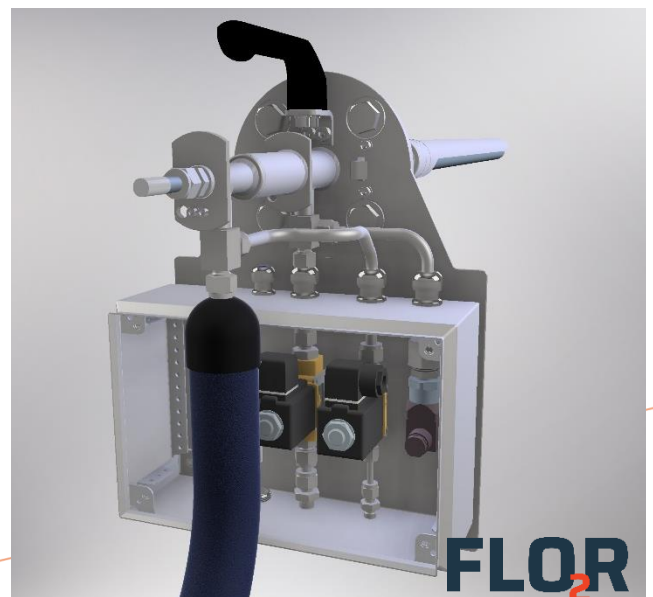
Process temp. up to 600°C

Process condition: Non-condensing

The PROBE 600 from FLO2R is a high performing extractive gas analysis sample probe that enables fast high flow gas analysis sample in high-dust industrial combustion processes. It offers a rugged all-integrated probe solution made easy to handle with a unique high performing composite filter cleaning technology.

The PROBE-600 were designed to sample high flows of gas for extractive gas analysis in processes with dust loads up to 200 g/m³. It was designed to provide the HYBRID-600 laser-based analysis system with high sample capacity. This capability is however not limited to the HYBRID-600 system. Its high performance can be utilized by any extractive gas analysis system.

The robust and practical probe design reflects years of on-site experience. All wetted parts are made from acid resistant stainless steel and heated to 190°C. A dust shield around the filter can be orientated toward the flow direction in order to reduce the direct impact from dust. In processes with high flow the probe filter will due to filter surface and probe design be able to self-clean. The probe offers optional filter blow back, calibration and measurement of sample and process pressure.



LEARN MORE ABOUT FAST HIGH DUST GAS ANALYSIS. GO TO [FLO2R.COM](https://www.flo2r.com)

PROBE-600

**HIGH PERFORMING SAMPLING
TECHNOLOGY
FULLY HEATED FROM PROBE TIP TO**

TECHNICAL SPECIFICATIONS

Dust concentration

Temperature process

Ambient

Power supply probe heater:

Power supply hose heater 3m, OD 10mm

Temperature sensor probe and hose heater

Pressure sensor (optimal)

Blow back valve/Compressed air connection (optional)

Blow back supply

Calibration valve/Calibration gas connection (optional)

Calibration gas supply

Probe size excl. heated hose

Probe filter/shield size in process

One side flange installation of probe

Approvals

PROBE-600

0-200 g/m³

0-600 °C

-20°C...+50°C IP66 (Extended temperatures on request)

1x110 or 1x230 VAC 50/60Hz (1.000W)

1x110 or 1x230 VAC 50/60Hz (2.000W length depended)

Pt100

4-20mA (-300mbar to 300mbar)

24VDC Solenoid valve NC / Swagelok 10mm tube fittings

4-8 bar dry instrument air or nitrogen

24VDC Solenoid valve NC / Swagelok 6mm tube fittings

0-8 bar (Calibration gas regulator optional)

1342x453x306mm 15kg stainless steel

OD 49,5mm, length 993mm stainless steel

EN: DN50 PN6 or ANSI: 2" 150lbs (Others on request)

CE UL/CSA (Others please contact FLO2R)

The PROBE-600 will together with a HYBRID-600 system enable you as a laser gas analysis supplier to use your InSitu lasers in processes with high dust loads with all the benefits of easy installation, no process contact, fast response time and low maintenance.

The PROBE-600 can be integrated and configured with any extractive gas analysis system providing superior performance and a fully integrated design. OEM contract available putting your logo on the probe cover.

For BETTER GAS ANALYSIS contact FLO2R.

The data in this data sheet has been controlled with the intention to ensure accurate information. However, no responsibility can be accepted for errors or omissions. Also, data may change as product development is a continuous process at FLO2R. This document can never be used as basis for any form for contract.

CONTACT

Contact FLO2R
to access high
performing probe
solutions.

E: sales@flo2r.com
PH: +45 42495970
www.flo2r.com

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FLOR₂

Ved Stranden 90
9560 Hadsund
Denmark