

Technical Data Sheet

PROGAZE 71 – Contact Probe

PROGAZE®



The PROGAZE 71 is designed for VIS and NIR spectroscopic measurements in process analytical applications. It is mounted directly to tubes, reactors, or vessels, providing precise real-time data from powders, fluids, or paste-like media. The results from the quantitative or qualitative analytics allow for a continuous product quality inspection directly in the production line.

With its compact size and a variety of adapters and flanges a fast and easy integration into existing production lines is ensured. Fiber optic cables connect the sensor head to any standard VIS or NIR spectrometer system.

An integrated white reference allows for automatic system alignment during the running process without interruption or any interference. Dedicated variants are available to meet requirements for the operation in hygienic or hazardous areas.

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Spectroscopic Method	VIS, NIR
Measurement Type	Reflection
Sampling Type	Contact
Wavelength Range	VIS: 380 - 850 nm NIR: 850 - 2500 nm
Working Distance	Contact
Internal White Reference	Al ₂ O ₃
Internal Light Source	1 x Halogen, 20 W
Materials	Housing: 1.4305 Stainless Steel Window: Sapphire Window Sealing: Kalrez
Operating Temperature	Sample Temperature: 5 - 150 °C Ambient Temperature: 0 - 60 °C
Storage Temperature	0 - 80 °C
Relative Humidity	0-95%, non-condensing
Operating Pressure (Range)	max. 16 bar
Mechanical Connector Type	Triclamp
Fiber Connector Type	F-SMA 905
Control Interface	RS 485
Power Supply	24 V DC, 50 Watt
Dimensions (W x H x D)	149 mm x 137 mm x 109 mm
Weight	Approx. 4,3 kg

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