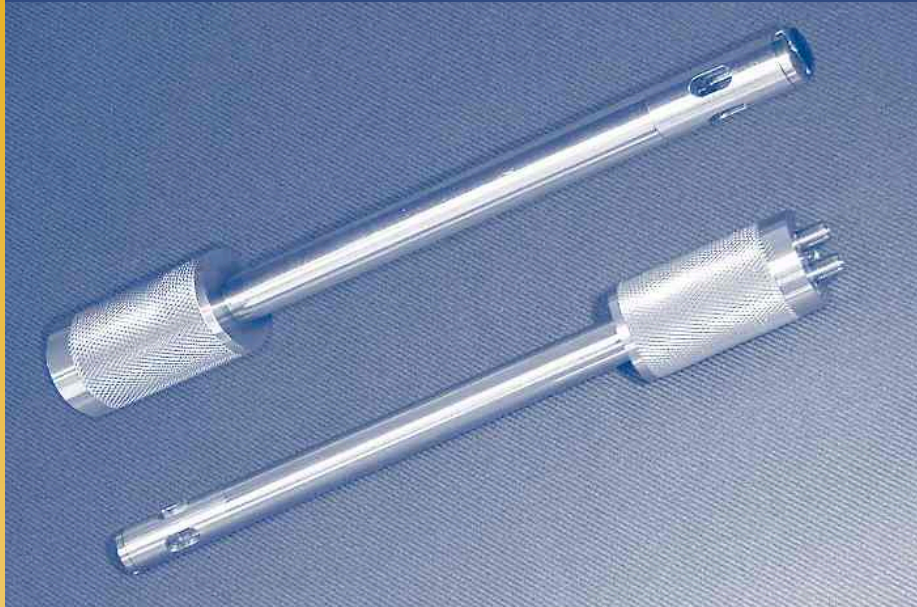


Fiberoptic Probes – In-Line Process Control



DESCRIPTION

RoMack's in-line process absorption probes, truly represent a significant advance in fiberoptic probe design and quality control. Responding to the needs of the widely varying requirements for scientists and process or quality control engineers, RoMack has produced a very versatile and robust series of probes incorporating protective sapphire windows and Kalrez® seals. These materials and RoMack's superior design allow these probes to operate in the harshest environments including high temperatures and pressures.

These probes provide a convenient way to perform absorption or transmission

®DuPont Dow Elastomers

measurements by dipping or inserting the probe end into the medium or environment.

World class inspection and control tools guarantee that all probes meet or exceed specifications every time and each probe is subjected to a twelve point inspection process. Whenever possible RoMack will specifically test each probe in the environment in which they are intended to be used.

RoMack further assures the quality of all probes by issuance of a certificate of conformance and transmission vs wavelength curves for each and every probe shipped.

**RoMack Probes -
"Better by Design."**

APPLICATIONS

- In-Line Process Measurements of all kinds

FEATURES

- Highest throughput in the industry.
- Robust designs able to operate in harsh environments.
- Sapphire windows with Kalrez® seals.
- Transmission data with every probe.
- Every seal checked.
- Industry standard or custom terminations.
- Custom configurations and instrument or process interfaces available.
- Various path lengths available.
- UV/VIS and VIS/NIR versions.
- 200µm, 400µm and 600µm core standard (other single fiber or multi-fiber bundle designs can also be provided).
- Standard probe diameters of 1/2" (12.7mm) and up.
- Custom configurations available.

Fiberoptic Probes In-Line Process Control

INTERFACING NOTE:

Most of RoMack's probes can be used as direct plug-and-play accessories for existing fiberoptic systems currently in use.

ORDERING/SPECIFYING INFORMATION

- Process probe products can be ordered using the specifying system represented on this page.
- If you have any trouble with the specifying system or have any special requirements not accommodated or shown, please contact a RoMack sales associate.

NOTES

- Probes are often used in harsh environments so if you have any questions about the applicability of a probe for your environment please speak to a RoMack applications engineer or sales associate.

A Fiber Type

- 1) Silica/Silica (UV/VIS)
- 2) Silica/Silica Low Solarization (UV)
- 3) Silica/Silica (VIS/NIR)
- 4) Polymer Clad Silica(UV/VIS High NA)
- 5) Polymer Clad Silica(VIS/NIR High NA)
- 6) Other _____

B Fiber Size

1) 50µm	6) 500µm
2) 100µm	7) 600µm
3) 200µm	8) 800µm
4) 300µm	9) 1,000µm
5) 400µm	10) Other _____

C Connector (female)

- 1) SMA
- 2) FC
- 3) ST
- 4) Other _____

D Probe Diameter

- 1) Ø0.250
- 2) Ø0.375
- 3) Ø0.500
- 4) Other _____

E Path Length*

- 1) 2mm
- 2) 5mm
- 3) 10mm
- 4) 20MM
- 5) Other _____

*Double the gap measurement at "E" for path length.

Specifying Method

AP - A B C D E X X (PL-in)

Example : AP-17144 06
AP - 1 7 1 4 4 0 6 (in)

Silica/Silica (UV/VIS), 600 micron , SMA connector , , 6 in. probe length, 20mm pathlength.

Please contact RoMack regarding high temperature, chemical, vacuum, or any other environmental concerns.

Temperature Requirements: _____
Pressure Requirements: _____
Other Requirements: _____

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