

TRANSMISSION DIP PROBE With Variable Path Length

PART NUMBER: FDP-7xx200-2-VAR-ME

- VARIABLE PATH LENGTH
- RUGGED CONSTRUCTION
- STAINLESS STEEL BODY
- LOW COST



The transmission dip probe with variable path length can be used to obtain online and inline measurement in fluids. The 1/2" probe has an optical path length, which can be set by the user in a range from 0.5 mm to 20 mm and is therefore extremely versatile for high or low-absorption fluids. The probe end is simply dipped into the fluid to do the measurements. Via a standard SMA905 connector, light is coupled into a six fiber bundle, and carried to the probe end, the light then crosses a user-defined gap of 0.5-200 mm and reflects against a diffuse white material. The back reflected light returns into a 7th fiber. This fiber transfers the data to the output SMA905 connector, which can be coupled to a spectrometer or spectral analyzer. At the probe end, the read fiber is placed in the middle of the lighting fibers for best efficiency of the probe. Both bundles are led through one piece of flexible stainless steel tubing. In a ferrule, they are split and run separate for one meter to reach the SMA905 connectors.

Specifications:

Fiber _____ 7 fibers 200 μ m core, 6 light-fibers, 1 read fiber, N.A. = 0.22

Wavelength Range _____ 200-800nm (UV/VIS) or 350-2000nm (VIS/NIR)

Optical Path _____ 0.25 - 10 mm spacing, i. e. an optical path of 0.5 - 20 mm

Probe End _____ Stainless steel or PEEK cylinder,
140-160 mm long x 17.7 mm (1/2") diameter. Waterproof.

Tubing _____ The optical fibers are protected by a silicon inner tube and flexible chrome-plated brass outer tubing. The tubing also gives stress relief.
OD: 5.0 mm.

Control Development, Inc. reserves the right to change specifications without notice.

Affordable Priced At \$1,675.00



2633 Foundation Drive, South Bend, IN 46628
(574) 288-7338 Fax (574) 288-7339
Email: Orders@controldevelopment.com
www.controldevelopment.com

Control Development, Inc. also manufactures integrated spectroscopy systems for: UV-VIS, NIR, RAMAN, DWDM and OEM customers.



DWDM



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PORTABLE



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MY INSTRUMENT



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