

Mini Transmission Dip Probes

For absorption measurements in miniaturized centrifuge tubes or vessels, Avantes offers the mini transmission dip probe. It features a miniaturized tip which is 130 mm long and 3.2 mm in diameter.

The mini transmission dip probe has a fixed 5 or 10 mm optical path length. It is available in a UV/VIS/NIR (200-2500 nm) version. The probe features Avantes ME, chrome plated brass, jacketing.

Optionally the probe can be configured with a longer stainless steel or Hastelloy® tip, and/or other jacketing options. The probe has two SMA connectors (FC/PC also available) for convenient coupling to the Avantes line of spectrometers and light sources.

Please contact us for special requirements.



Technical Data

Fibers	1 illumination and 1 detection fiber, both 200 µm, standard 2 meters length
Wavelength Range	200-2500 nm (UV/VIS/NIR)
Connectors	2 x SMA-905
Probe End	Stainless steel 316 cylinder, 130 mm long x 3.2 mm (1/8") diameter. The probe end contains 5 mm physical, 10 mm optical path, or a 2.5 mm physical gap (5 mm optical path). Optionally -HY for Hastelloy® C276
Jacketing	The optical fibers are protected by a silicon inner tube and a flexible stainless steel (optional BX, O.D. 6.0 mm) or chrome plated brass (standard ME, 5.0 mm) outer jacket. The jacketing also gives stress relieve.
Temperature	-40 °C to 100 °C. (-HT version 200°C)
Pressure	Probe head 10 bar @ 25°C
Bending	Minimum bend radius: Short term (few seconds) 20 mm, long term: 120 mm



Ordering Information

FDP-2UVIR200-2-2.5-mini	• 1/8" Mini Dip Probe, 2.5 mm path length (optical 5 mm), 2 m length
FDP-2UVIR200-2-5-mini	• 1/8" Mini Dip Probe, 5 mm path length (optical 10 mm), 2 m length

Options

-BX	• Stainless steel jacket
-HT	• High Temperature version (up to 200°C)