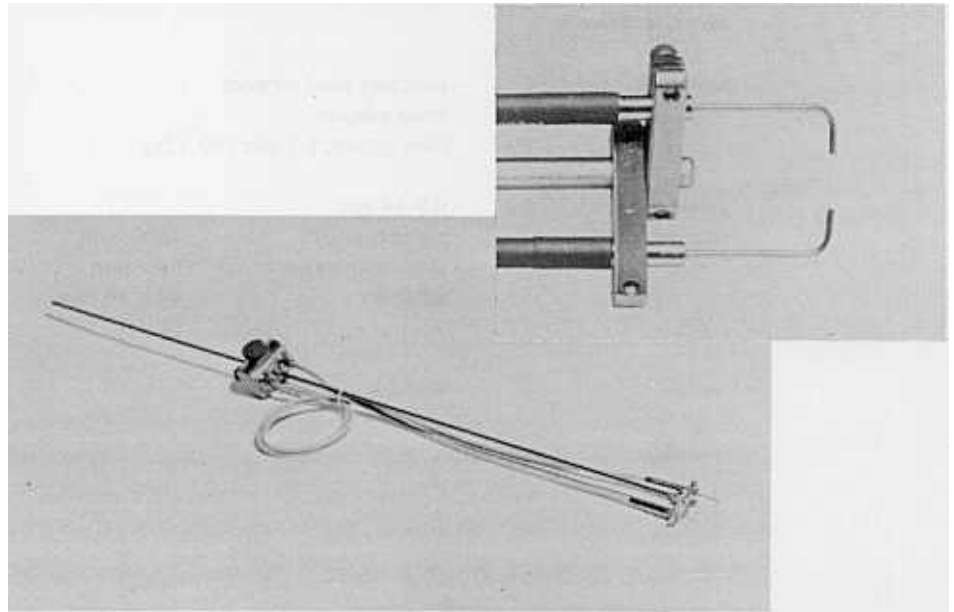


FOSLIM immersible probe for optical silt measuring instrument "OSLIM"



application

To be used as an immersible probe additional to the OSLIM-system to monitor concentration of silt in suspension.

principle

The method is based on the attenuation of the intensity of a lightbeam, due to the light absorption and reflection of silt particles suspended in a liquid. Using fiber optic techniques the probe can measure at adjustable path-length at any point in the fluid.

fields of application

- silt transport studies
- mud concentration profiling

features

- simply adjustable measuring path length and consequently concentration range
- maximum immersion depth 0.9 m
- exchangeable transmitter and receiver, OSLIM type
- electronics insulated from medium
- fully compatible with the OSLIM-system.



specifications

materials	- stainless steel support brass adapter fiber optics, 1.5 mm OD (2x)
measuring path length	- 0.5-14 mm
dimensions	- support length : 1000 mm - max. immersion depth : 900 mm - adapter : 40 x 50 mm (d x l)
weight	- 0.75 kg