

# Glass-fibre Probe System

## Glass-fibre probe system / Location of non-metallic pipes



Glass-fibre rod GSK / sluice / generator G1



Glass-fibre rod GFS

Because electrical current cannot flow through non-metallic pipes, additional equipment must be used to locate such pipes. Glass-fibre probes and mini pig transmitters are used for this purpose. The glass-fibre probe, containing a continuous length of copper, is inserted into the pipe section to be located, connected to the signal generator and traced using the FERROPHON®. With this method it is possible to follow the route of the pipe.

To detect the end-point of the glass-fibre rod a mini pig transmitter can be screwed onto the probe tip. This small, battery-driven transmitter generates an electro-magnetic alternating field which can be located with a pipe locator. Even the depth of a non-metallic pipe can be determined.

The mini pig transmitter may also be used without the glass-fibre rod. This opens various operating modes in combination with pipeline cleaning pigs, sewer inspection cameras, etc.!

## Typical use

- **At water authorities**  
Detection of operating service pipes (with sluice) and main conducts
- **At gas suppliers**  
Detection of pipes out of operation
- **In waste water networks**  
Sewers' routing, empty pipes, drainage pipes

## Technical Data

- Glass-fibre rod **GFS 100 m/6 mm**  
(Length 100 m, rod diameter 6 mm; conductive glass-fibre rod, mounted on reel with 55 cm diameter, screwed-on brass ball)
- Glass-fibre rod **GSK 60 m/4.5 mm**  
(Length 60 m, rod diameter 4.5 mm; conductive glass-fibre rod, mounted on reel with 45 cm diameter, screwed-on brass ball)  
Especially suited for narrow radia.

## Accessories



**Mini pig transmitter „A“**, water-proof (16 bar) pig transmitter for the exact determination of the end-point of the glass-fibre rod, detectable up to approx. 5 m depth. Frequency „A“ resp. 42 kHz, approx. 10 h operating time.

This mini pig transmitter can only be used in combination with the FERROPHON® system (receivers EL, ELH, AF 100). Can be screwed-on to all glass-fibre rods. Length approx. 110 mm, diameter 15 mm.



**Sluices for glass-fibre rod GFS (6 mm) or GSK (4.5 mm)**, to insert the glass-fibre rods into pipes under pressure (e. g. house service lines).



**Terminal part of spring**  
screw-on, especially suited for narrow pipe radia.

Please contact us for a comprehensive quote, including additional technical specifications and information on accessories.  
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