



Mini Interface Meter

The Model 122 Mini Interface Meter from Solinst offers a more portable version of the larger Model (see data sheet 122). Small enough to fit in a backpack, yet rugged and reliable. Available in 65 ft or 20 m lengths. The 5/8"x 6" (16 x 152 mm) probe is suitable for tight spaces. The 122 Mini gives highly accurate readings of LNAPL or DNAPL product levels and thickness in wells and tanks. With an approximate battery life of over 300 hours, this mini has much to offer.



Durable

- Designed for rugged field use
- Tape uses stranded stainless steel conductors:
 - non-stretch; does not corrode
 - resists kinking and breaks
 - easy to repair and splice
- Rugged portable reel with carrying handle

Operating Principles

To detect liquids, Solinst Mini Interface Meter uses an infra-red beam and detector. When the probe enters a liquid the beam is refracted away from the detector which activates a steady tone and light. If the liquid is a non-conductive oil/product the signals are steady. If the liquid is water, the conductivity of the water completes a conductivity circuit. This overrides the infra-red circuit, and the tone and light are intermittent.

Both sensors use exactly the same zero point, giving accuracy as good as 1/100ft. or 1.0 mm. The circuits are powered by one 9V battery which is housed in an easy access drawer on the faceplate of the reel.

Tape



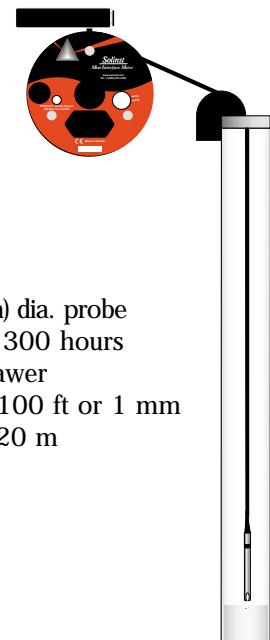
The markings on the tape are easy to read, and are permanently heat-stamped into the tape. The dog bone shaped tape avoids adherence to wet surfaces in wells. It is resistant to most chemicals, and the smooth surface of the tape is easy to decontaminate. Marking options shown in picture above.

High Quality Design

The superior electronics offers automatic circuitry testing when the meter is turned on; extended battery life; clear signals; and high accuracy.

Infra-red refraction is used to detect liquids and conductivity to distinguish water. Both optical and electronic sensors are precisely at the zero point. A steady light and tone indicate product. Water is indicated by intermittent signals.

The factory sealed probes are inexpensive and can be easily replaced. The sensors are protected by an integral stainless steel shield, which allows easy cleaning. Power is supplied by a 9V battery, located in the easy access drawer of the reel.



Advantages

- Advanced electronics
- Superior performance
- 5/8 x 6" (16 x 152 mm) dia. probe
- Battery life of approx. 300 hours
- Easy access battery drawer
- Sensor accuracy of 1/100 ft or 1 mm
- Lengths off 65 ft and 20 m
- Clear signals
- Inexpensive
- Portable