

INT-Oil/Water Interface Meters



HIGH QUALITY DESIGN

Using state-of-the-art electronics, the INT interface meter delivers reliable, rock solid performance in the field. This allows more readings and more accurate measurements compared to other similar instruments.

Infra-red refraction is used to detect liquids and conductivity is used to detect the water. For heavy viscous oils, detect water sensitivity quickly by increasing the external sensitivity control. For high conductivity water (brine) decreasing the sensitivity control prevents bridging so a moist probe is not detected as being in water. While all water level meters have a water sensitivity adjustment, there isn't another interface meter on the market with this feature except the INT Interface Meter. If a water sensitivity adjustment is essential for a water meter, it is definitely needed for an interface meter.

Triple-sealed probes do not need to be accessed by the user. Using "smart electronics" the probes will ignore any damage to the optical lens and continue to perform. Similar to a water level meter, the units will produce a solid tone in water and an intermittent light and tone indicates product. This system doubles the battery life and provides better overall performance.

The INT unit is available in a reversed version. The electronics are easily converted to provide a solid tone in oil and an intermittent tone in water. However, field testing has always indicated the majority prefer a solid tone in water so that units can be tested in water outside — a popular practice and not possible with other units.

For industrial commercial hazardous locations use an intrinsically safe, Class 1, Division 1, Group D version. (approval pending).

PURPOSE BUILT RUGGED REEL

Unlike many of the low cost plastic reels on the market which use frames too small for enough ground clearance when winding and rarely use a detachable module for cleaning—The Rugged Reel is designed specifically for environmental monitoring and rugged field use.

LIGHTWEIGHT aluminum faceplates and solid metal and machined nylon components will not crack under tough field use. There are no thin-walled molded components to crack and break.

EASY TO USE ergonomic frame and hub size for winding tapes under rough field conditions (don't get stuck with a low cost cable reel).

STAINLESS STEEL - A threaded stainless steel axle prevents welds from cracking and resists corrosion to keep the reel running smoothly. Double sealed ball bearings are standard for longer lengths.

REMOVABLE MODULE - The electronics module is removable for easy decontamination.

FEATURES

Highest quality steel core engineering tapes made by one of the world's largest tape manufacturers

External water sensitivity adjustment/detects water quickly through viscous oils

Automatic sleep function — unit powers down after 10 min.

Smart electronics ignore severe scratches, condensation and dripping oil

Easy access battery drawer

Flat spring steel tape with Kynar or Tefzel covering

Clear signals — no hesitation at the interface

Optional 1.5" OD shroud available

SPECIFICATIONS

5/8" OD (16mm) or
7/16" OD (11mm) probe

Tape lengths from 50 - 2000 ft
(15-600M)

Sensor accuracy to .010" — offset error

Detect limit is sheen
(.020 inches or 1/2 mm)

Accuracy is .008% or better

Battery life is 300 hours for INT-mini
and 180 hours for INT-standard with
one 9-volt alkaline battery

Tape markings: 1/10 ft and
1/100 ft (cm and mm)

Shipping weight: 9 pounds

Off button can be added
for user preference

Optional padded carry case
with shoulder strap

Available with optional 1.5" OD shroud