

HERMetric UTImeter Otex

Portable open electronic gauge for:

- Inventory control
- Custody transfer
- Free water detection
- Verification of automatic gauges
- Back-up system

in open tanks for hydrocarbons and chemicals.
Intrinsically safe unit for use in classified hazardous environment.

Visc version:
With load 500 gr. for
high viscous products
or reference height
measurement.
(Manual detection of
dip / datum plate)



tanksystem sa

HERMetic UTImeter Otex

Portable open electronic gauge

The HERMetic UTImeter Otex is a portable liquid level gauge designed to be operated under open conditions on petroleum and chemical tanks where open gauging is permitted. The sensor is calibrated once at the factory and does not require subsequent calibration. The temperature transducer is a RTD element. The characteristics of the RTD are stored inside the sensor. The sensor is sending true temperature values to the electronic box. Therefore changing a sensor or a tape does not require a new calibration. The unit is used for custody transfer, inventory control measurement and free water detection on marine vessels and shore tanks. The HERMetic UTImeter Otex is set on the open gauging hatch.

The unit enables 3, optionally 4 measurements in one single operation :

- Ullage
- Temperature
- Oil-Water interface level
- Innage, Reference height (Visc version)

Technical specifications:

Accuracy of ullage-interface detection:	±2 mm (± 0.08" approx.)
Ullage, interface indication:	Audible, and Visible selectable
Tape length:	15 m/50 ft, 30 m/100 ft, 35 m/115 ft,
Tape graduation:	Metric/English
Tape resolution:	1 mm / 1/16"
Tape accuracy:	±3.2 mm/30 m (± 1/8"/100 ft approx.)
Temperature accuracy:	±0.1°C (0°C to 70°C);
meets API MPMS Chap 7 2001, table 3 request	±0.2°F (32°F to 158°F)
meets ISO 4268 , IP PMM Part IV	
Ambient temperature range:	-20°C to 50°C / (-4°F to 122°F)
Temperature sensor measurement range:	-40°C to 90°C / (-40°F to 194°F)
Temperature measurement resolution:	0.01° or 0.1° selectable
Temperature reading:	°C or °F selectable
LCD Display:	8 characters with backlight
Power:	Approved 9V batteries
Weight with 15 meter tape:	3.5 kg

Hazardous environments approvals

ATEX	II 1 G EEx ia IIB T4 / Tamb 50°C
Factory Mutual	CL I, DIV 1 C&D, T4 Tamb 50°C and CL I, ZN 0, AEx ia IIB T4 Tamb 50°C

Benefits:

- Continuous temperature reading, ullage and interface detection.
- Easy access for battery exchange.
- High accuracy and stability.
- Sensor exchange without needs of new calibration.
- No temperature drift. No degradation of the sensitivity due to sensor ageing.
- Tape cleaning device as standard.

Low maintenance cost:

- Fully modular unit. Change tape, sensor or instrument unit yourself.
- Easy and detailed instructions in Operation and Service Manual.

A gauge dedicated to your application:

- HERMetic UTImeter Otex with 1" sensing probe, FKM gaskets for the main applications in hydrocarbons.
- HERMetic UTImeter Otex Visc with 2" load on the sensing probe, recommended for operation in high viscous products or for innage measurements in hydrocarbons. Manual detection of tank bottom.
- Other options on request

Complies with:

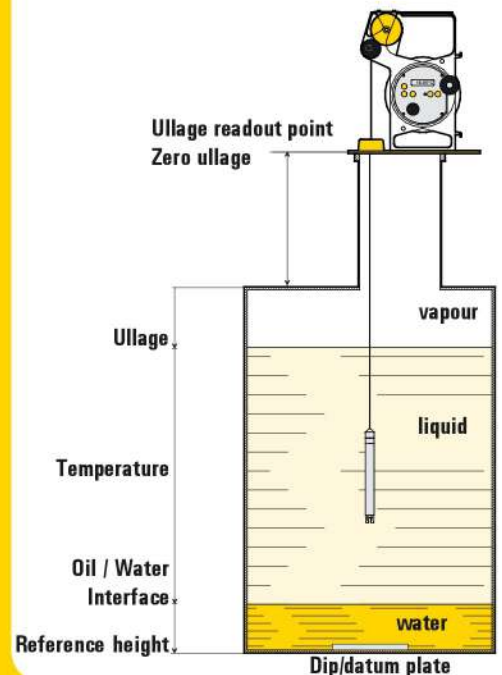
- IMO
 - Solas 74
 - MARPOL 73/78
 - IBC, BCH codes
- ISO, API, IP
 - EC Directive 89/336/EEC
 - EC Directive 94/9/EC
 - EC Directive 96/98/EC

Approved by:

- National authorities, (USCG, MSA, ...)
- All major classification societies
- ATEX, Factory Mutual



Principle of installation



We help you to protect the operator and the environment.



tanksystem sa

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