

По вопросам продаж и поддержки обращайтесь:

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УРОВНЕМЕРЫ

Технические характеристики
на

HERMetric UTImeter Rtex

HERMetric UTImeter Rtex

Portable restricted electronic gauge for:



- 📍 **Cargo inspection/ Inventory control**
- 📍 **Custody transfer**
- 📍 **Topping off**
- 📍 **Free water detection**
- 📍 **Verification of automatic gauges**
- 📍 **Back-up system**

on marine vessels for crude oil and petroleum products.
Intrinsically safe unit for use in classified hazardous environment.

Visc version for high viscous products

SS1-Q2 storage tube for connection to 2" valves



HERMetic UTImeter Rtex

Portable restricted electronic gauge

The HERMetic UTImeter Rtex is a portable liquid level gauge designed for restricted gauging of petroleum products. 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 Rtex has to be connected to a HERMetic vapour control valve fixed on the tank.

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

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

Installation, connection and references for the new UTImeter family are fully compatible with preview HERMetic UTI range of equipment

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:	3.7 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.
- Interchangeable adaptors for connection on different vapour control valves.
- Tape cleaning devices, window wiper and tape protection on all units as standard.

Low maintenance cost:

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

- **HERMetic UTImeter Rtex**
with 1" sensing probe, FKM gaskets for the main applications in hydrocarbons.
- **HERMetic UTImeter Rtex 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**

"A restricted system exists when a marine tank vessel allows some vapours from its cargo tanks content into the atmosphere under normal operating conditions."

(API MPMS 17.2.A.4.1.)

Complies with:

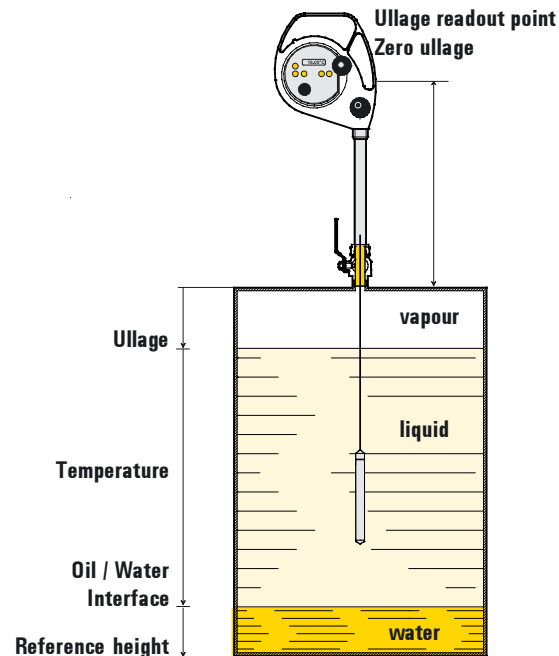
- IMO
 - Solas 74
 - MARPOL 73/78
 - IBC, BCH codes
- ISO, API, IP
 - EC Directive 89/336/EEC
 - EC Directive 94/9/EC
 - EC Directive 96/98/EC

Approved by:

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



Principle of installation



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