



The HERMetic UTImeter Gtex is a portable electronic level gauge for closed gas tight operation resulting in increased safety and efficiency.

The unit is used for closed level gauging, temperature verification, custody transfer and free water detection on marine vessels. Connected to a HERMetic vapour control valve, the UTImeter Gtex avoids any gas release during operation and enables 3 measurements in one single operation, Ullage, Temperature and Oil-water interface level. By increasing safety and efficiency, Honeywell TankSystem helps customers improve business performance.

# HERMetric UTImeter Gtex

The HERMetric UTImeter Gtex is a portable gas tight liquid level gauge designed to operate on deck of marine vessels. The unit is used for cargo inspection, custody transfer, temperature measurement, free water detection and verification of fixed installed level gauging systems. Connected to a HERMetric vapour control valve fixed installed on deck, the HERMetric UTImeter Gtex avoids any gas release during operation.

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

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

A GAUGE IN DIFFERENT VERSION DEDICATED TO YOUR APPLICATION:

## HERMetric UTImeter Gtex

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

## HERMetric UTImeter Gtex Chem

- with 1" sensing probe, FFKM gaskets and tape connector for use in corrosive liquids.

## HERMetric UTImeter Gtex Visc and HERMetric UTImeter Gtex Chem Visc

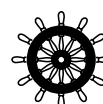
- with 2 Inch load on the sensing probe, recommended for operation in high viscous products or for innage measurements in hydrocarbons or in corrosive liquids.
- Manual detection of tank bottom.



Installation, connection and references for the new UTImeter family are fully compatible with previous HERMetric UTI/ GT3 type of equipment.

- IMO
  - Solas 74
  - MARPOL 73/78
- ISO, API, IP
- EC Directive 89/336/EEC
- EC Directive 94/9/EC
- EC Directive 96/98/EC
- ATEX, Factory Mutual, IECEx
- National authorities, (USCG, MSA, ..)
- All major classification societies

"A closed system exists when a marine tank vessel does not permit the direct exposure and/or release of the tank content into the atmosphere under normal operating conditions." (API MPMS 17.2 A.4.1.)



# ULTRA SENSING PROBE

## Benefits:

- 100 % repeatability of measures.
- High accuracy and mechanical stability.
- Chemically resistant to corrosive liquids (Chem version).
- Small diameter for use on 1" HERMetric valves.
- Sensor exchange without need of new calibration.
- No temperature drift. No degradation of the sensitivity due to sensor ageing.

## Low maintenance cost:

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



Storage tube SS1-Q2



Storage tube SS1-Q1



Interchangeable adapters for connection to different vapour control valves ( page 13 )

Visc version  
Storage tube SS2-Q2



Sensor fitted with additional load, recommended for operation in high viscous products.



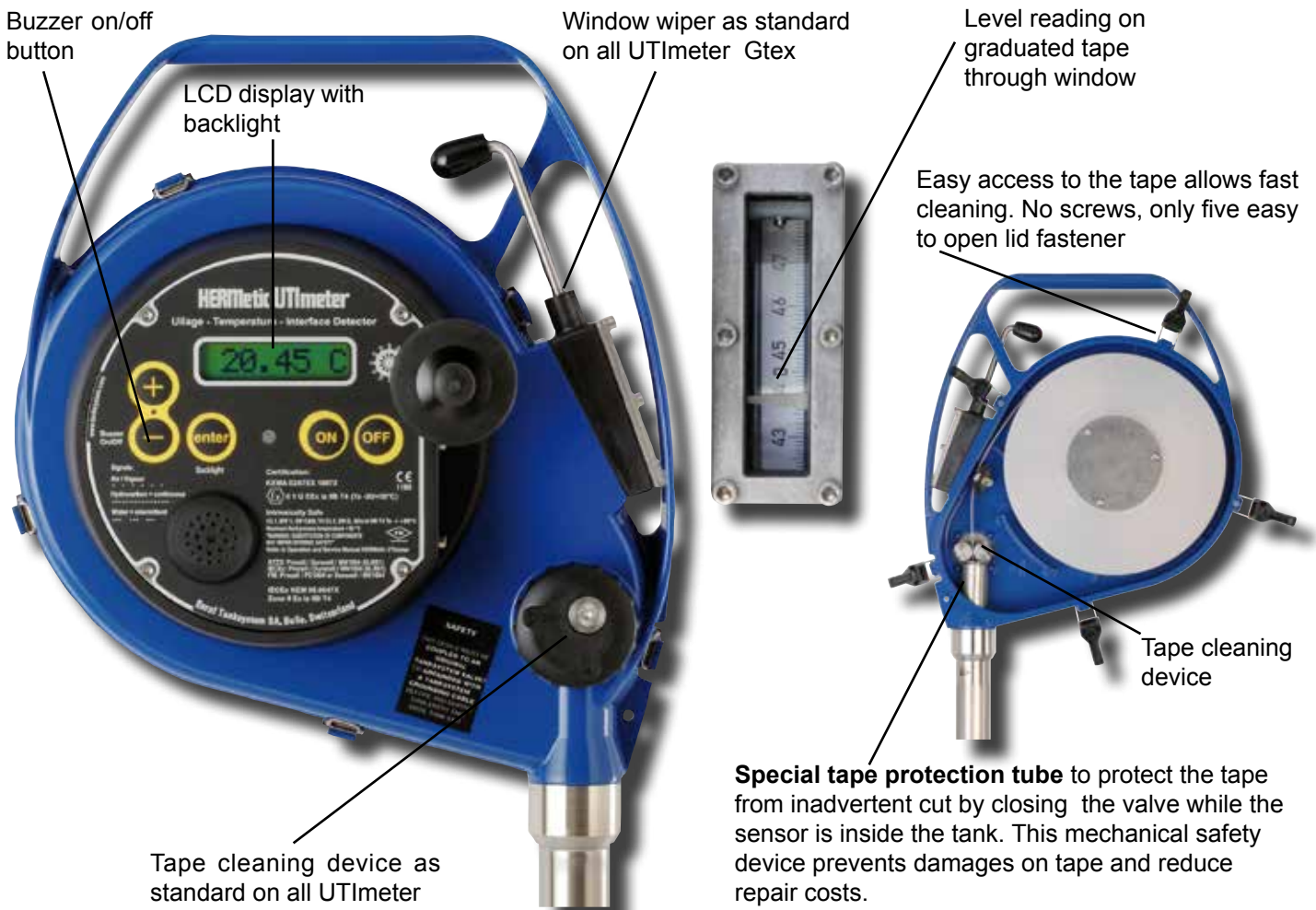
Type: C2-SS-SEC



Type: C1-SS-W

Mechanical tape cleaning device as standard on all UTImeter





**Special tape protection tube** to protect the tape from inadvertent cut by closing the valve while the sensor is inside the tank. This mechanical safety device prevents damages on tape and reduce repair costs.

## TECHNICAL SPECIFICATIONS:

Accuracy of ullage-interface detection:

± 2 mm (± 0.08" approx.)

Ullage, interface indication:

Audible and Visible selectable

Maximum tank overpressure:

0,3 bar (4,4 psi)

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:

± 1.5 mm/30 m (±1/16"/100 ft approx.)

**Meets API MPMS Chap 3.1A and ISO 4512 requirements**

Temperature accuracy:

± 0.1°C (0°C to 70°C);

**Meets API MPMS Chap 7 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 / 50ft tape:

4.4 kg / 9.7 Lbs.

**Hazardous environments approvals**

ATEX

Factory Mutual

IECEX

II 1 G Ex ia IIB T4 / Tamb 50°C

CL I, DIV 1, C&D, T4 Tamb 50°C and

CL I, ZN 0, AEx ia IIB T4 Tamb 50°C

Zone 0, Ex ia IIB T4

**Honeywell**