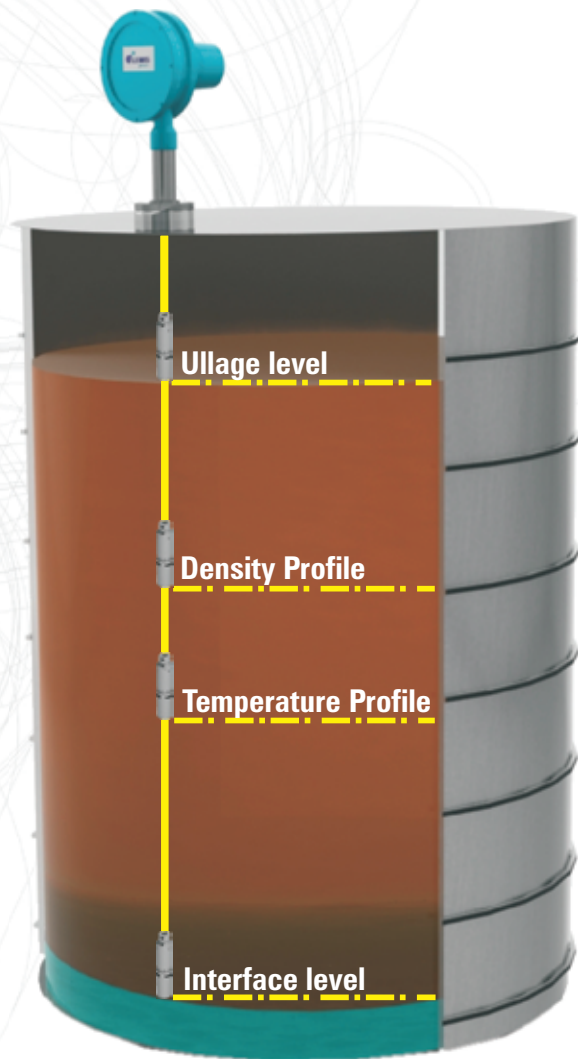


4 in 1 measurements

- **Density Profile**
- **Ullage Level**
- **Temperature Profile**
- **Interface Level**



DUTI 454 SERVO GAUGE

Inventory Control with DUTI 454 Servo Gauging

Specifications

Measuring range:

Density	0... 3 g/cm ³ (0... 3000 kg/m ³)
Temperature	-40... +85°C (-40... +185°F)
Level	Up to 30 m (up to 100 ft)

Accuracy:

Density	±0.0003 or ±0.0005 g/cm ³ (±0.3 or ±0.5 kg/m ³)
Temperature	±0.1°C (±0.2°F)
Ullage/Interface detector	±2 mm (±0.008")

Repeatability:

Density	±0.00015 or ±0.00025 g/cm ³ (±0.15 or ±0.25 kg/m ³)
Temperature	±0.01°C (±0.02°F) or ±0.1°C (±0.2°F)
Level	±1 mm (±1/16")

Resolution:

Density	0.0001 g/cm ³ (0.1 kg/m ³)
Temperature	0.1°C (0.2°F)
Level	1 mm (1/16")

Supported measuring units

Real density: g/cm³, kg/m³, lb/gal, lb/ft³; API; SG
 Referred density: at 15°C, 20°C, 60°F; API60; SG60
 Tables ASTM D1250
 Tape graduation - Metric / Imperial
 Temperature in °C or °F

Ambient temperature

-40... +60°C (-40... +140°F)

Depth of submersion

Up to 30 meters (up to 100 ft)

Intrinsically safe:

Controller	ATEX II (2G) Ex dia IIB T4
Level block with sensor	ATEX II 1G Ex ia IIB T4

Power supply

12V AC 6W

Output:

Digital	Standard: RS485, Modbus; user choice of signals and protocols
Analog	Up to 3x isolated 4-20 mA, direct or reverse-acting, configurable

Dimensions, weight:

Level block with sensor	500 x 280 x 280 mm (19.7 x 11 x 11") up to 15 kg (33 lb)
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Temperature compensation

Automatic

Viscosity compensation

Automatic

Data handling

Local memory up to 2000 results
 Optional Windows - based software



Applications

- Petroleum industry
- Power industry
- Chemical industry
- Oil industry
- Custody transfer
- Liquefied Petroleum Gases (LPG)

Advantages

- Density Profile
- Ullage Level
- Interface Level
- Temperature Profile
- At any depths up to 30 meters

Sensing probe DUTI includes:

- Vibrating Level sensor
- Vibrating Density sensor
- Platinum Temperature sensor
- Conductivity Interface sensor

For more information please visit www.lemis-process.com



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