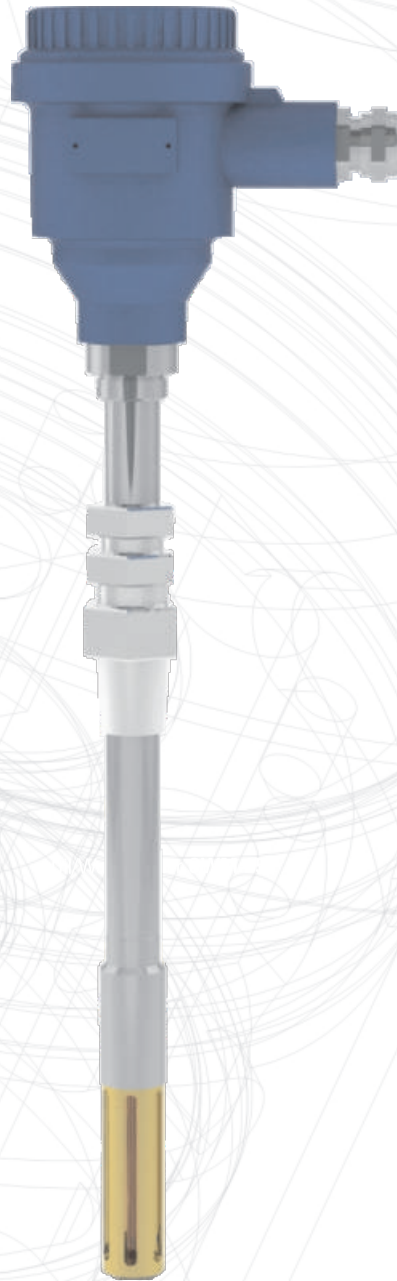




OWC 40 SERIES



PROCESS IN-TANK

WATERCUT MONITORS

OWC-40

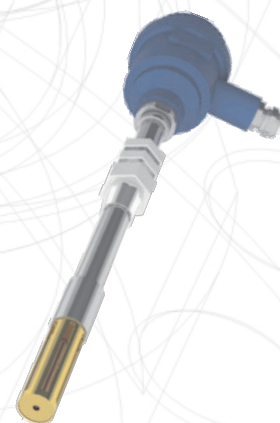
IN PROCESS TO EXCELLENCE

From theory to practice

The OWC 40 series is based on a principle of a dipole measurement via water molecule, as water has a considerable amount of absorption.

Coefficient and a high frequency

The principle would be demonstrated by an ultrahigh frequency band with up to 3.5 GHz. This would determine the presence of the moisture within a given petroleum product that uses a water-oil emulsions. This is a complex permeability within a high-frequency and an ultrahigh frequency with a band width that consists from 0.5 to 3.5 GHz measuring method. As the measuring principle of the OWC 40 series is based upon the measurements of a electromagnetic energy losses in a given water-oil emulsion. Based on this principle the OWC 40 series is unique and most efficient in its class compared to other OWC meters. Rigorous factory testing and calibration secure high accuracy that is not affected by any flow rates.



Specifications

Emulsion Concentration Range	0 to 100%
Emulsion Concentration Accuracy	OWC 4005: ±0.5% OWC 4010: ±1%
Model Variations	Minimum: 0.3 m (11.8 in) Standard: 1.2 m (47.2 in) Maximum: 6.0 m (236.2 in)
Process Temperature	OWC 4005: -5°C to +85°C (+23°F to +185°F) OWC 4010: -5°C to +200°C (+23°F to +392°F)
Temperature Accuracy	±0.1°C (±0.2°F)
Salinity	0 to 30% by weight
Pressure Range	Standard 20 Bar (300 psig)
Viscosity Effect	Automatically compensated
Process Connection	1" NPT Seal Housing
Ambient Temperature Range	-40°C to +85°C (-40°F to +185°F)
Weather Rating	IP68
Sensor Material	Stainless steel 316L; Ni-Span C; Hastelloy C22
Power Supply	115-240V AC 50-60 Hz or 12/24V DC;
Analog Output	4 - 20 mA
Digital Output	RS 485 Modbus
Quality Assurance	ISO 9001:2000
Factory Calibration	Calibration certificates supplied as standard
CE Mark	Compliant EN 61326 ; EN50111 ; EN 50082-2
ATEX	II 1G EEx ia IIB T4; II 1G EEx ia IIC T5
IEC	IEC Ex ia IIB T4 Ga/Gb

Advantages

- Real-time measurements, high accuracy
- Easy to clean
- Compact, portable design
- Simple installation
- No additional maintenance required
- No nuclear (radioactive) sources
- Rigorous factory testing and calibration
- Easy to transport
- Competitive price
- 2 Year Warranty and Full technical support

Applications

- Petroleum industry
- Antifoam and demulsifier chemical feed systems
- Waste water treatment
- Desalter control
- Automatic tank dewatering

Data transmission to PC, pocket PC or portable printer via Bluetooth connection. Compatible for a Windows XP/Vista/7.



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



USA
LEMIS USA, Inc.
 15556 Summit Park Dr. Suite 601
 Montgomery
 TX 77356, USA
 Ph.: +1 281 465 8441

EUROPE
AS LEMIS Baltic
 26 Ganibu dambis
 Riga, LV-1005
 Latvia , EU
 Ph.: +371 6738 3223
 Fax: +371 6738 3270

INDIA
LEMIS India PVT LTD
 504,Bhumiraj Costarica,5th floor
 Plot 1&2, Sector 18, Sanpada
 Navi Mumbai-400705, INDIA
 Ph.: +91 22 6721 5655
 Fax: +91 22 6794 2666

E-mail: info@lemis-process.com