

DPOT™ - Digital Precision Oil Tester

Water content analyzer into oils, fuels and solvents



Industries concerned

- Automotive
- Navy
- Power production
- Mine
- Aerospace
- Defence
- Oil and Gas
- Chemistry
- Industry
- Analysis service

DPOT™ from GESERCO is a **water content analyzer** based on the "Aquatest" analytical technique which is standardized by ISO, AFNOR and GFC.

Simple, fast and very precise, it is intended for use by maintenance departments, workshops and analysis laboratories for the monitoring of fresh and used fluids.

Main characteristics :

- Can be used for **all types of oils, lubricating oils and fuels oils**

- The analysis result is **not sensitive to the additives** which can be present in the oils, even when the proportion is massive
- **The digital analysis** result is delivered in water volume or water mass within **90 seconds**
- 8 measuring ranges from **0 - 2000 ppm H2O to 0 - 15% H2O**
- Very high measurement sensitivity (**down to 1 ppm H2O**)
- Works with very small test samples (**down to 0.5 ml**)
- **Does not require any hazardous chemicals** for transportation, nor flammable, nor corrosive, nor CMR
- **Internal memory** for up to 500 results with individual identification
- **USB port** for results download and software upgrade

DPOT™ is a **very small and rugged instrument**. It is extremely simple and quick to use, even when in the hands of an operator **with no specific chemistry expertise**. The multilingual user interface gives step by step operating instructions, and the numerous embedded functions make it very easy to use.

Measuring principle

DPOT™ is based on the **"Aquatest"** water in oil analysis method which is standardized by **ISO(1) , AFNOR(2) and GFC(3)**.

(1) ISO 9114 :1997 standard

(2) NF T60-640 standard, June 2018

(3) GFC TR-40-A-14 method, December 2014

Features

Measuring Ranges		Sensitivity	Accuracy(1)	Sample volume
0-2000 ppm H2O	0 - 0.2 %H2O	< 1 ppm H2O	± 6 ppm H2O	30 cc
0 - 3 000 ppm H2O	0 - 0.3 %H2O	< 1 ppm H2O	± 9 ppm H2O	20 cc
0 - 7 000 ppm H2O	0 - 0.7 %H2O	< 1 ppm H2O	± 20 ppm H2O	10 cc
0 - 15 000 ppm H2O	0 - 1.5 %H2O	< 1 ppm H2O	± 42 ppm H2O	5 cc
0 - 25 000 ppm H2O	0 - 2.5 %H2O	< 1 ppm H2O	± 70 ppm H2O	3 cc
0 - 37 000 ppm H2O	0 - 3.7 %H2O	1 ppm H2O	± 0.01 %H2O	2 cc
0 - 75 000 ppm H2O	0 - 7.5 %H2O	2 ppm H2O	± 0.02 %H2O	1 cc
0 - 150 000 ppm H2O	0 - 15 %H2O	4 ppm H2O	± 0.04 %H2O	0.5 cc

(1) ~0.3% FS typical ; 0.5% FS maximum (includes zero drift, FS drift, linearity, hysteresis and reproducibility)

Dimensions: 18 x 16 x 20 cm

Weight: 5.2 kg

Power supply: 100 - 240 Vac / 50-60 Hz

Product code

CODE	DESCRIPTION
WT9026	DPOT™ Water in oil analyzer including: 1 DPOT™ water in oil analyzer, 1 power supply unit, 2 magnetic bars, 1 measuring block, 2 reaction flasks, 1 tweezers, 1 stylus, 1 tube of silicon and water free grease, 1 user manual.
PP9109	NON-HAZARDOUS REAGENTS PACK – 50 TESTS
PP9110	TRADITIONAL REAGENTS PACK – 50 TESTS