

DPOT™ - Digital Precision Oil Tester

Water Content Analyzer into Oils, Fuels and Solvents



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.

Test principals

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

Specifications

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)

Product Code

- DPOT™ Analyzer, complete: WT9026
- Non-hazardous reagent pack: PP9109
- Traditional reagent pack: PP9110