

WaterTest™ Kit

Determination of Water Content into Oils, Fuels and Solvents

Method derived from the ISO9114:1997 standard

The GESERCO WaterTest™ test kit allows for simple, fast and cost effective determination of the water content into:

- Mineral oils and petroleum distillates (engine oils, fuel oils, brake fluids, gearbox oils...)
- Synthetic oils and lubes
- Bio lubricants and bio fuels
- Vegetable oils
- Aromatic fluids
- Alcohols
- Solid solvent soluble products (greases...)

The GESERCO WaterTest™ test kit comes as a light and strong kit which can be used on site by any non-specialized operator.



Water Presence

The presence of water in lubricating oils, fuels oils, Diesel oils is a major cause of machinery failure.

Water degrades the lubricating properties of the oil, narrows the lubricating film, builds up oxidation and acidity, minimizes the efficiency of additives, accelerates surface fatigue, corrodes components and allows for microbial development...

Test Principle

Chemical test derived from the ISO9114:1997 standard: a reagent is added into the tested fluid. Traces of water present in the fluid will combine with the reagent and produce a volume of gas proportional to the water.

The pressure of the delivered gas is measured by the digital Rapid Oil Test Gauge which will display the result in %H₂O or ppmH₂O.

Digital Rapid Oil Test Gauge

GESERCO's state of the art Rapid Oil Test Gauge provides accurate digital measurement of free water in oil within minutes, even when the oil is massively added.

Its embedded memory capability allows fast and simple monitoring and documenting of the water content over time.

Local features include:

- Local display of test instructions
- Memory for 90 tests
- Instant test result evaluation
- Excess water content alarm
- Time stamping of test results
- USB port for downloading results

Large and easy to read display. Gives step by step instructions.

Simple to use soft keys.

USB port downloads test results to your computer.

Audible alarm for excess of water in oil.

Built-in memory stores up to 90 tests including pass / fail test evaluation.

Last generation sensor gives fast & accurate test results.

User-friendly design makes the tester easy to handle.

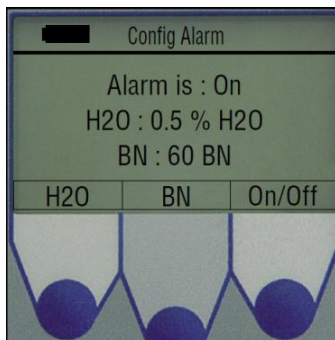
Transparent graduated flask facilitates test monitoring.



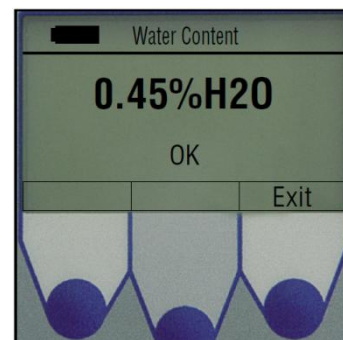
Easy Oil Condition Monitoring



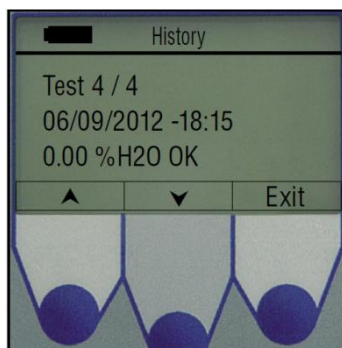
Step by step test instructions



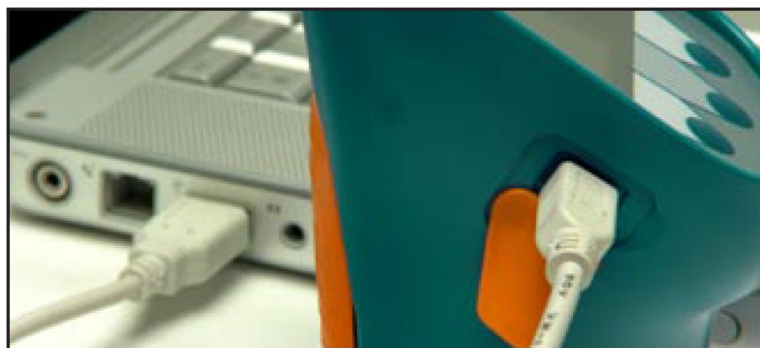
User defined test alarms



Instant test result evaluation



Built-in memory for up to 90 tests



USB port for downloading test results to a computer

Product Code & Specifications

GESERCO WaterTest™ test is available in 2 versions to better fulfill any user application:

Product Code	WT9015	WT9024
Rapid Oil Test Gauge type	MPB	NTH
Preferred Application	Motor & Gear Oil*	New, Turbine, Hydraulic & Industrial Oil*
Ranges/ Accuracy	0 to 1.5% H ₂ O / ± 0.011 % H ₂ O 0 to 15% H ₂ O / ± 0.12% H ₂ O 0 to 15 000 ppmH ₂ O / ± 110 ppmH ₂ O	0 to 0.5% H ₂ O / ± 0.003 % H ₂ O 0 to 2% H ₂ O / ± 0.014 % H ₂ O 0 to 20% H ₂ O / ± 0.12 % H ₂ O
Resolution	0.01%	0.001%
Test Duration	3 minutes	Under Operator Control

(*non exhaustive list of Application)

Consumables

Product Code	Consumables
PP9100	Spare Pack - 50 tests - Water in Oil
WT9118	Rapid Oil Test Gauge - MPB
WT9035	Rapid Oil Test Gauge - NTH
PP9102	Maintenance Pack for Rapid Oil Test Gauge

The kit is housed in a strong and light aluminum case.
 Dimensions: 47cm x 42 cm x 13 cm
 Weight: 5 kg

The kits include all accessories, reagents and operating manuals for performing and understanding 50 tests unless otherwise specified.

Feel free to contact GESERCO for details.

Since 1973 GESERCO designs and manufactures a fully comprehensive range of rapid lubricant, fuels and solvent condition monitoring kits.

Available worldwide, the Geserco products are applicable to the condition monitoring of mineral, synthetic and bio lubricants, whether they are motor oils, hydraulic oils or machining fluids.