

Features and Benefits

- Easily performed determination of the absolute water content
- Direct comparison with the values measured in the lab thanks to the absolute water content being output in ppm
- High resolution in the lower measuring range
- Measurement series can be recorded for trend analysis
- Battery can be recharged via USB cable
- Illuminated display

Applications

- Perform quick on-site determination of contamination levels of water
- Supplement on-site laboratories
- Use as a tool to demonstrate need for water contamination mitigation



Description

The WaterTest Kit (WTK) is used for quantitative analysis of the absolute water content in mineral-oil-based lubricating and hydraulic fluids. The absolute water content is a measure of the actual water per volume of fluid. The measurement involves adding two reagents to the contaminated oil. This causes a pressure increase in the measurement cell that is output via the digital display as water content in vol. % or ppm.

Time per measurement: only approximately 5 minutes (without sample preparation).

Specifications

General Data:	Measuring Range:	0.02 to 1%* 0.1 to 5%* 100 to 1500 ppm* (0.01 to 0.15%) 200 to 6000 ppm* (0.02 to 0.6%) *) Measurement error < + 1.8 vol. % FS (full scale)
	Measurement data memory:	10 measurement series of 10 measurements each
	Weight including carry case:	2.7 kg
	Dimensions of carry case:	34 x 28 x 13.5 cm
Hydraulic Data:	Permitted fluid:	Mineral-oil-based lubricating and hydraulic fluid
	Permitted fluid temperature:	158°F (70°C)
Electrical Data:	Power Supply Voltage:	Internal battery rechargeable via USB cable

Model Selection + Items Supplied P/N 7640674



Kit as supplied includes:

Quantity	Description
1	Aluminum case
1	Measurement cell
1	Bottle containing reagent A (500 mL)
25	Sachet containing reagent B
1	Measuring beaker (100 mL)
1	Plastic tweezers
3	Agitator (in plastic case)
10	Syringe (1 mL)
3	Syringe (5 mL)
1	Test kit cleaner (250 mL)
1	Operating and maintenance manual
1	USB cable

NOTES:
Replacement pack consisting of consumables sufficient for 50 tests can be ordered separately.