



WaterTest Kit WTK500

Description

The WaterTest Kit is used for quantitative analysis of the absolute water content in mineral-oil-based lubricating and hydraulic oils. The absolute water content is made up of the free, the emulsified and the dissolved water in the fluid measured. 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)

Advantages

- 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
- Measurement cell is easy to clean
- High resolution in the lower measuring range
- Measurement series can be recorded for different fluids to depict trend curves
- Battery can be recharged via USB cable
- Illuminated display
- The following display languages can be selected:
 - English (default setting)
 - German
 - French
 - Spanish
 - Portuguese
 - Danish

Technical data

Hydraulic data

| | |
|-----------------------------|---|
| Permitted fluid | Mineral-oil-based lubricating and hydraulic fluid |
| Permitted fluid temperature | 70 °C maximum |

Electrical data

| | |
|----------------|---|
| Supply voltage | Internal battery rechargeable via USB cable |
|----------------|---|

General data

| | |
|---|---|
| Measurement ranges, can be selected via display | 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 $\leq \pm 1.8$ 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 |

Model code

| | | | | |
|----------------------------|---------------------|----------|----------|----------|
| | WTK | 5 | 0 | 0 |
| Type | WTK = WaterTest Kit | | | |
| Series | 5 = series | | | |
| Option | 0 = standard | | | |
| Modification number | 0 = standard | | | |

Scope of delivery:

- 1 x aluminium case (W 340mm x H 275mm x D 140mm)
- 1 x measurement cell
- 1 x bottle containing reagent A (500 ml)
- 25 x sachet containing reagent B
- 1 x measuring beaker (100 ml)
- 1 x plastic tweezers
- 3 x agitator (in plastic case)
- 10 x syringe 1 ml
- 3 x syringe 5 ml
- 1 x test kit cleaner (250 ml)
- 1 x operating and maintenance manual
- 1 x USB cable

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

NOTE

The information in this brochure relates to the operating conditions and applications described.

For applications and/or operating conditions not described, please contact the relevant technical department.

All technical details are subject to change without notice.

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