

TWIN CHECK 4.0 (IMPA Code: 652821)

Electronic Water-in-Oil / BN Test



TWIN CHECK is delivered as a test kit including the reagents and accessories required for Water-in-Oil and BN tests

Water in oil is, has been, and will be omnipresent threat to any mineral oil application, and base number (BN) is a crucial parameter for diesel engines. The test device TWIN CHECK has been both developed and designed to achieve immediate indication on the oil condition on site as well as continuous trending of it in daily operation.

The TWIN CHECK 4.0 provides the benefits of digitalization concept in a customer-friendly way including easy-to-use navigation menu, optimized measurement procedures, automatic data recording and storing, USB to serial connection (terminal program) for accurate trend analysis etc.

The modular design of the TWIN CHECK 4.0 enables easy cost-effective replacement of constituent parts (no matter plugged or screwed) directly on site in the case of malfunction or damaged occurred.

➤ The interchangeable parts of the TWIN CHECK 4.0 include a display in conjunction with a mainboard, a cable connection between the mainboard and pressure transmitter (pressure sensor), 9V block battery, a cable connection to the battery, USB cable and a reaction vessel.



► FEATURES

PARAMETERS TO MEASURE

Water-in-Oil

- Measuring range: 0 – 1.0 vol. % H₂O
- Processing time: depends on the measured value (min. 2 - max. 20 min.)
- Accuracy: +/- 3 %

Base number

- Measuring range: 0 – 150 BN
- Processing time: depends on the measured value (min. 2 - max. 20 min.)
- Accuracy: +/- 1BN

Also available as single test unit: Water-in-Oil (WIO CHECK E) or BN (BN CHECK)

► BENEFITS

- Applicable for all mineral oil based fluids
- Improved design with easy-to-follow navigation menu for high accuracy measurements
- Internal memory chip with average data storage capacity of 2.5 years
- Digital read-out of test results
- USB to serial cable connectivity for data transfer and trend analysis
- Water-in-oil measurement: 6 modes for up to 6 various oil grades or different engines
- BN determination: 6 modes for up to 6 various oil grades or different engines
- Maintenance and repair on board is possible