

TWIN CHECK

Electronic Water-in-Oil / BN Test

TWIN CHECK was specifically designed to measure two significant parameters (**water in oil and base number**) in a simple and quick test procedure. As water in oil represents a substantial threat to any mineral oil application, it is important to measure its content on a regular basis in order to remain confident about the level of this threat. The alkalinity reserve (BN, formerly TBN) is a crucial indicator for the engine oil condition. Therefore, the dual-purpose device is helpful in providing trend analysis to reassure that these parameters stay within certain limits.



Features:

Parameters to measure

- Water-in-oil
 - Measuring range: 0 – 1.0 vol. % H₂O
 - Measuring time: up to 20 min.
 - Accuracy: +/- 3 %
- Base Number:
 - Measuring range: 0 - 100 BN
 - Measuring time: up to 20 min.
 - Accuracy: +/- 1 BN

Benefits:

- Two identical test procedures
- Direct read-out of test results
- Just one reagent for each test
- Applicable for all mineral oil based fluids
- Easy to handle even for untrained personnel and for transport

The convenient design of the device with its two-chamber system was intended to provide simple and quick test procedures. The measurement starts after the reagent and the oil sample are filled into the respective chambers by shaking the device. As soon as the result on the electronic display of the device is no longer changing for 1-2 minutes, the test can be cut off and the end-result can be noted. Consequently, it is possible to determine the exact end of the actual reaction.

The specific feature of the BN Test is the necessity to conduct calibration just one single time per oil grade before using the device for the first time. After that the device is ready for all subsequent BN measurements.