

**The minilaboratory BALTECH OA-5000** is intended to perform the oil condition control for the purpose of determination of its serviceability and detection of equipment wear. The oil analysis with BALTECH OA-5000 is conducted by measuring the degree of change in dielectric constant, caused by oil contamination and degradation as well as by means of blotter spot test.

**The oil analyzer BALTECH OA-5000** is a portable device that provides instant information on oil condition, which in many cases eliminates the necessity to perform long – term laboratory tests.

It measures changes in oil dielectric constant. By comparing the measurements obtained from used and unused oils of the same brand and type, the oil analyzer BALTECH OA-5000 determines the degree of change in oil dielectric constant. Since the dielectric changes are directly related to the contamination level and degradation of the oil, their values allow achieving longer intervals between oil changes and immediately detecting increased mechanical wear and loss of the oils lubricating properties.

The blotter spot test manual which is delivered with the oil analyzer BALTECH OA-5000 provides additional information on the oil condition. It helps to estimate the change in detergent - dispersant additives, to determine watering and metal parts in oil. The estimation is performed according to the appearance of the oil spot and takes 15-20 minutes.



### INSTANT DETECTION OF CHANGE IN OIL CONDITION CAUSED BY

- ▶ Water content
- ▶ Fuel content
- ▶ Oxidation
- ▶ Metal particles
- ▶ Reduction of detergent - dispersant additives

### BALTECH OA-5000 FEATURES

- ▶ Easy to use
- ▶ Digital scale for trending
- ▶ Last calibration is stored
- ▶ Blotter spot test

### Technical data of BALTECH OA-5000

|                       |  |
|-----------------------|--|
| Oil type              | Mineral and synthetic oil                                  |
| Repeatability         | > 95%  |
| Indication            | Color (red/green) + numeric value<br>( from -999 to + 999) |
| Indication resolution | HI: 1<br>LO: 0.6   |
| Battery               | 9 V, alkaline, IEC 6LR61                                   |
| Battery life          | 150 hours or 3000 tests                                    |
| Dimensions            | 250 x 95 x 32 mm (9.8 x 3.7 x 1.3 inch)                    |
| Weight                | 385 g (14 oz)  |



### Delivery set of BALTECH OA-5000

|  |   |
|--|---|
| Oil analyzer BALTECH OA-5000                                   | 1 |
| Chromotographic paper filters (100 pcs.)                       | 1 |
| Mechanical pipette   | 1 |
| Cleaning kit (napkins and solvent)                             | 1 |
| Sample pump (delivered only as part of maximum configuration ) | 1 |
| Operation manual BALTECH OA-5000                               | 1 |
| Drop test procedure manual                                     | 1 |
| Transportation case  | 1 |

**The oil analyzer BALTECH OA-5000 is not analytical device. This device is only able to determine the degree of changes in oil condition. The visual and color scales show only changing trends of used oil in comparison with unused one.**

