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# UNITOR FERROUS WEAR TEST KIT

Product group: **663**      Product number: **735754**

Unitor™ Ferrous Wear Meter (FWM) helps you to protect your engine and cylinder from unwanted wear by VLSFO introduced through IMO 2020.

Unitor™ FWM detects abrasive wear particles in lubricating oil samples and offers a simple and easy way to control wear in your engine and cylinders.



By trending of ferrous wear measurements over time, any increase in wear levels can be monitored and appropriate actions taken to mitigate any damage. Machinery degradation can be observed as it happens and machines serviced as and when they need to be, rather than on a time or hours of operation basis, saving cost and manpower

## Product information

Unitor™ Ferrous Wear Meter (FWM) is constructed using a sophisticated magnetometer adapted for field applications. A 5 ml test tube, filled with the sample, is placed directly in the hole in the instrument and its metallic content, in PPM, is displayed on the screen in less than 2 seconds. No further sample preparation is required and the ferrous debris content is displayed instantly on the easy to read screen, providing you with a quick, simple and clean method of analysis. Simple graphical instructions are displayed on the screen, requiring little or no training for users to operate.

It is a rugged, simple, easy to use instrument provides instant, accurate measurements of ferrous wear content on the units screen. Contained in a fully portable case, its rugged design is ideal for testing and analysing oil samples both on-board, in the field or in the laboratory.

### Features

- Suitable for testing on-board, on-site or in remote locations.
- Simple, easy to operate instrument requiring minimal training.
- Direct reading in PPM on the LCD screen within 2 seconds

### Benefits

- Gives you a quick answer on the wear in your engine
- Your crew can easily do the test within minutes with minimal training

## Specification

### General

Invent Hazard Material (IMO/IU) classification	C-9
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### Dimensions/Weight

Dimensions L x W x H [mm]	480 x 370 x 165
Weight [kg]	1.1

### Technical data

Display resolution [pixel/inch]	5 ppm between 0 and 2495 ppm 10 ppm between 2500 and 9990 ppm 0.01 % between 1.00 and 9.99 % 0.1 % between 10.0 and 15.0 %
Operating temperature [°C]	15 - 40 (60oF - 104oF)

### Performance data

Accuracy	+/- 10 ppm (0 - 1000 ppm), +/- 20 ppm (> 1001 ppm)
Measurement Range	0 - 2500 ppm 0 to 15% by mass (mg/kg)
Test time	< 3 seconds per sample

## Documents

[Overview-735754-Ferrous-Wear-Meter](#)

[SDoC and MD for IHM](#)

[Ferrous-Wear-Meter-Quick-Start-Guide](#)

[Ferrous Wear Meter Logbook](#)

## Related products

### Consumables

**735758**  
FERROUS WEAR TEST TUBE PACK

Is frequently bought together with

- 735744**  
COLD CORROSION REPLACEMENT KIT (PACK 50)
- 773153**  
UNITOR COMPATIBILITY TEST KIT
- 735742**  
UNITOR COLD CORROSION TEST KIT (50 PACK)
- 764420**  
SEACARE OSD-2 25 LTR