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# UNITOR DENSITY METER

Product group: **663**      Product number: **773152**

A fast and reliable device to accurately determine the density of fuels from 800-1010 kg/m³ @ 15°C (ISO Fuel Grades DMA to RML 55).



## Product information

This product supersedes product no: **606251**

Unitor™ Density Meter allows rapid determination of exact bunker delivery quantities.

Unitor Density Meter measures diesel and residual fuel density and confirms the quantity of fuel delivered, verifies that the correct grade of fuel has been delivered and estimates the combustion performance (CCAI), correct viscosity in cP to cSt.

Unitor Density Meter measures fuel density using a hydrometer dropped in warmed oil. Most oils can be measured at 50°C but for very viscous fuels and diesels the units can be set to warm to 70°C. There is a calculator feature, which allows the reading to be adjusted to show density at 15°C in a vacuum.

If the diesel and fuel viscosity is known in centiStokes or centiPoise the calculator will display the CCAI. The Density Meter uses Hydrometers to measure the fuel density and marine diesel's density corrected to kg/m³ at 15°C.

### Features

With information and the viscosity of the fuel, the Density Meter can determine:

- Mass of fuel delivered
- Calorific value
- Calculation of density at 15°C in vacuo
- centiPoise to centiStoke
- CCAI (Calculated Carbon Aromaticity Index)
- Easy to use with quick results
- Easy to clean

### Benefits

- Confirms the quantity of fuel delivered, and verifies that the correct grade of delivered fuel
- Provide an estimated combustion performance (CCAI)
- Fast, accurate and reliable oil test results within minutes

## Specification

### General

Invent Hazard Material (IMO/IU) classification	D-1
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## Documents

[Overview-773152-Density-Meter](#)

[773152-Density-Meter](#)

[SDoC and MD for IHM](#)

## Related products

### Spares

**632521**  
HYD900-1.010  
**632513**  
HYD 850-950

Is frequently bought together with

**773151**  
UNITOR HEATED VISCOSITY METER  
**632406**  
TBN REAGENT PACK

