



DENSITY METER

The Kittiwake Density Meter will confirm the quantity of fuel delivered, verify that the correct grade of fuel has been delivered, estimate the combustion performance (CCAI), and convert the viscosity in cP to cSt.

Supplied with 190 page technical and training manual for the use of the equipment together with interpretation of results.

SPECIFICATIONS

Test:
Density

Temperature:
50°C and 70°C

Range:
800-1010 kg/m³ @ 15°C
(ISO 8217 Fuel Grades DMA to RML 55)

Test Time:
Heating from 15°C 10 mins
Repeat test maximum 30 seconds
Cleaning 1 minute

Calculations:
Density at 15°C in vacuo centiPoise to centiStokes
Calculated Carbon Aromaticity Index (CCAI)

Accuracy:
Typically within +/- 0.1% (800-1010 kg/m³)

Correlation:
ASTM D1298 IP160

FG-K1-300-KW



▲ Density Meter is supplied in its own case.

HYDROMETERS

The Density Meter uses Hydrometers to measure the density of marine fuels corrected to kg/m³ at 15°C. With this information and the viscosity of the fuel, the Density Meter can determine:

- ✓ Mass of fuel delivered
- ✓ Calorific value
- ✓ Anticipated combustion performance (CCAI)



▲ The Hydrometers shown in the photo above, are available in three ranges. One of each are supplied with the Density Meter.

WEIGHTS, DIMENSIONS, POWER

Power: 110/240 VAC (auto selected)

Dimensions: 18 x 23 x 10 cm

Weight: 2.20 kg

Range, Relative Density

0.80 - 1.01 @ 15°C
 0.85 - 0.95 @ 15°C
 0.90 - 1.01 @ 15°C

Order Number

AS-K3-014-KW
 AS-K3-015-KW
 AS-K3-016-KW