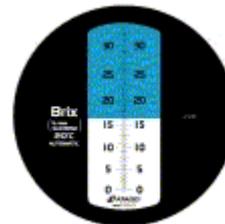




The hand-held refractometer is a simple device to control the concentration of emulsifier.



Measurement ranges

Concentrations between 0 and 10% v / v

ADVANTAGES OF THE REFRACTOMETER

- Reading graduation in arbitrary units from 0-10, we can see the instrument pointing to a window or other source of natural or artificial light.
- Calibration of 1 point using a screwdriver with distilled water or water used for emulsifying tank, this will allow you to do zero correctly.
- Strong device, sold with its briefcase.

CALIBRATION OF THE DEVICE

To properly use this unit, it is necessary to establish beforehand the calibration line that gives the number of graduations read on the refractometer, depending on the actual concentration of the hydrophilic emulsifier in water.

As there may be slight variations from one device to another, it is necessary to calibrate each individual refractometer.

- influence of the penetrant testing aqueous solution of hydrophilic emulsifier in operation

Used at a concentration of 5% v / v in water, the aqueous solution of the hydrophilic emulsifier in operation does not absorb sufficient quantities of penetrant to determine the values of concentration. This is why the refractometer allows to operate with new solution or in use.

- influence of temperature

On each sample the refractive index depends on temperature. You must therefore note the temperature at which it will take the datas, and keep them up (+ / - 5 ° C).



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