

Operating Instructions for Hand Refractometer

1. Ensure that the refractometer is correctly calibrated to read 0 prior to any measurement. Place a drop of water on the prism, close cover plate and adjust calibration screw as required.
2. Clean prism, add a drop of the coolant to be determined onto prism and close cover plate.
3. Look through eyepiece towards a bright light and read off scale.
4. Multiply the scale reading with the factor of the individual product. (See product data sheet) e.g. Scale reading 3.5 x 1.5 factor = 5.25% concentration (Factor only valid for fresh cutting fluids).
5. If scale reading is hazy or unclear extraneous tramp oil is present. Other methods to determine the concentrations are required (tramp oil, salts and impurities effect the refractometer reading).