

# Refractometers

optical instruments

- ✓ measures sugar (Brix) & salt (Salinity) content in liquids
- ✓ easy to use - suitable for many industries

This range of general purpose refractometers are optical instruments for measuring the content of dissolved solids in aqueous solutions. The instruments work on the principle of light refraction through liquids. When passing light through a liquid, the refracted angle will be shown on the scale to determine the amount of dissolved solids in the liquid. The refractometers are manufactured from corrosion resistant sateen brass and incorporate a rubber-insulated hand grip. All models incorporate automatic temperature compensation (ATC) and are suitable for applications where the temperature of samples vary.



specification	813-680	813-682	813-684	813-686	813-690	813-692
range Brix	0 to 10 %	0 to 20 %	0 to 32 %	28 to 62 %	n/a	n/a
range Salinity	n/a	n/a	n/a	n/a	0 to 28 %	0 to 100 ‰
resolution	0.1 %	0.1 %	0.2 %	0.2 %	0.2 %	1 %
accuracy	±0.1 %	±0.1 %	±0.2 %	±0.2 %	±0.2 %	±1 %
dimensions	Ø40 x 200 mm	Ø40 x 195 mm	Ø40 x 175 mm	Ø40 x 160 mm	Ø40 x 170 mm	Ø40 x 195 mm
weight	250 grams	245 grams	215 grams	205 grams	215 grams	250 grams

order code	description
813-680	refractometer Brix 0 to 10 %
813-682	refractometer Brix 0 to 20 %
813-684	refractometer Brix 0 to 32 %

order code	description
813-686	refractometer Brix 28 to 62 %
813-690	refractometer Salinity 0 to 28 %
813-692	refractometer Salinity 0 to 100 ‰



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