

L LABORATORY

P PROCESS

S SOFTWARE

A AUTOMATION



**SCHMIDT
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DHR 95

Digital Handheld Refractometer

The handheld digital refractometer enabling rapid, on-site measurements of liquids with high or low viscosity



SPECIFICATIONS

DHR 95

Calibration	Distilled Water
Prism Material	Optical Glass
Sample Temperature	5 - 60 Degree Celsius
Ambient Temperature	5 - 40 Degree Celsius
Automatic Temperature Correction	5 - 70 Degree Celsius for 0 - 80 Brix
Dimensions (LxWxD)	115 x 54 x 30 mm
Weight	85 Grams (without Batteries fitted)
Power	2xAAA Batteries
Ratings & Compliance	IP65 Dustproof/Water Resistant, CE, RoHS

DHR 95 Key Features

- 2 measurement scales: -
 - Brix with Automatic Temperature Correction (ATC)
 - Refractive Index
- 5-digit, full view LCD screen
- Results displayed in 2 seconds
- Holster Carrying Case Available as Accessory

Typical applications of the models

- Agriculture
- Veterinary
- Industrial
- Beverage
- Food
- Wine

Range of Models

S+H model	Scale	Range	Resolution	Accuracy
DHR 95 (Standard Model) Code number 16004	Sugar % (Brix) Refractive Index (RI)	0 - 95 1.33 - 1.54	0.1 0.0001	± 0.2 ± 0.0003
DHR Honey Code number 16009	Sugar % (Brix) Water in Honey %	0 - 95 10 - 30	0.1 0.1	± 0.2 ± 0.2
DHR Wine Code number 16010	% Mass w/w Alcohol Probable (AP)	0 - 35 0 - 22	0.1 0.1	± 0.2 ± 0.2
DHR Oe Code number 16011	% Mass w/w ° Oechsle	0 - 35 30 - 130	0.1 1	± 0.2 ± 1
DHR Saline Code number 16012	Sugar % (Brix) Saline (NaCl)	0 - 54 0 - 28	0.1 0.1	± 0.2 ± 0.2
DHR Aqua Code number 16013	Seawater PPT (Part Per Thousand) Seawater Specific Gravity (SG)	0 - 180 1.000 - 1.070	1 0.0005	± 1 ± 0.001
DHR Vet Code number 16014	Urine Specific Gravity (SG) small mammal Urine Specific Gravity (SG) large mammal	1.000 - 1.050 1.000 - 1.050	0.0005 0.0001	± 0.001 ± 0.001
DHR PG Code number 16015	Propylene Glycol % by volume Propylene Glycol °C Protection	0 - 60 0 to - 50	0.1 1	± 0.4 ± 1
DHR EG Code number 16016	Ethylene Glycol % by volume Ethylene Glycol °C Protection	0 - 60 0 to - 50	0.1 1	± 0.4 ± 1
DHR DEF Code number 16017	% Brix For measuring AdBlue®	0 - 54 0 - 40	0.1 0.1	± 0.2 ± 0.2

- Further scales upon request!



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