Refractometers

Refractometers, portable, digital, Refracto 30PX and 30GS

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METTLER TOLEDO

For laboratories or production environments.

- Automatic temperature compensation
- Use as a hand held or bench top instrument
- Immerse sensor in liquid or add sample to cell

- Storage of up to 1,100 results and easy transfer with IR interface
- Refracto GS has a sapphire prism and thus extended range and faster response

These refractometers use the total reflection method. The backlit LC display and the simple intuitive menu structure allow the user to easily change settings in seconds. The results can be displayed in a wide variety of standard units, such as °Brix, HFCS42 and HFCS55, as well as units applicable to wine measurement (Oechsle, TA, KMW/babo, °Baume) and to antifreeze measurement (alcohol, NaCl, eth. glycol, prop. glycol). Units can also be user defined (formula) for customised applications.

Technical Specification - General

Interface	Infrared for printer or PC
Temperature range, °C	10 to 40
Temperature resolution, °C	0.1
Power supply	2 x AAA batteries (supplied)
Mass, g	Approx. 250

Technical Specification - Specific

	10116032	10515083
Model No	Refracto 30PX	Refracto 30GS
Range	RI: 1.3200 to 1.5000 (nD) °Brix: 0 to 85 (based on nD)	RI: 1.3200 to 1.6500 (nD) °Brix: 0 to 100 (based on nD)
Resolution	RI: 0.0001 (nD) °Brix: 0.1 (based on nD)	RI: 0.0001 (nD) °Brix: 0.1 (based on nD)
Accuracy	RI: ±0.0005 (nD) °Brix: ±0.2 (based on nD)	RI: ±0.0005 (nD) °Brix: ±0.2 (based on nD)

Catalogue No	Legacy No	Alt. No	Description
10116032	-	51324650	Refracto 30PX portable refractometer with batteries, carry case, sample bottles and CD-ROM
10515083	-	51324660	Refracto 30GS portable refractometer with batteries, carry case, sample bottles and CD-ROM

Accessories

Catalogue No	Legacy No	Alt. No	Description
11977751	-	51324708	Battery case cover with seal
10618495	-	51325006	Infrared adapter (RS 9 pin, male)
10144203	-	51324103	LabX direct DE/RE, data transfer software
10617815	-	11124303	Printer RS-P26

Refractometers, hand held, optical, Rhino range

Reichert

The Reichert Rhino comes in several models for numerous applications in various industries including food, beverage, chemical, pharmaceutical, clinical and automotive.

- The black polycarbonate housing improves image quality by reducing stray light
- Rhino's automatic temperature compensation eliminates the need for calculations and temperature correction charts

- Blue painted prism and magnified scales and markings for clear and accurate readings
- Optics and instrument scales are permanently sealed inside, safe from harsh external conditions

The Rhino is designed for rugged factory and field use. The durable polycarbonate housing is dustproof, water resistant (IP67 dustproof/water resistant rating), and impact resistant.

Technical Specification - Specific

	12988514	12998514	12908524	12918524	10655915	10491825
Model No	Rhino Brix30	Rhino Brix50	Rhino Brix90	Rhino OE200	Rhino Duo-Chek® DC60	Rhino IFT40
Range	RI: 1.3330 to 1.3811 °Brix: 0 to 30	RI: 1.3330 to 1.4200 °Brix: 0 to 50	RI: 1.4201 to 1.5177 °Brix: 50 to 90	RI: 1.3330 to 1.4100 °Brix: 0 to 45 °Oe: 0 to 200 Klo: 0 to 40	RI: 1.3330 to 1.4048 SG: 1.100 to 1.400 Antifreeze protection: 0°C to -48°C Ethylene glycol: 0% to 70% Propylene glycol: 0% to 61%	RI: 1.3330 to 1.3860 Concentration: 0% to 30%
Scale division	0.2 and 0.5	0.25	0.2	°Brix and Klo: 0.5 °Oe: 2 and 5	SG: 0.01 Antifreeze protection: 3°C	0.5
Accuracy	-	-	-	-	±0.55°C	-

Catalogue No	Legacy No	Alt. No	Model No	Applications
12988514	-	137530LO	Rhino Brix30	0% to 30% Brix measurement
12998514	-	137531LO	Rhino Brix50	0% to 50% Brix measurement
12908524	-	137533LO	Rhino Brix90	50% to 90% Brix measurement
12918524	-	137528LO	Rhino OE200	For viniculture, measures Oechsle, Klosterneuburger, and Brix concentration
10655915	-	137564LO	Rhino Duo-Chek® DC60	For testing engine coolant freeze point, coolant glycol concentration and battery charge condition
10491825	-	13754000	Rhino IFT40	0% to 30% industrial fluid concentration measurement