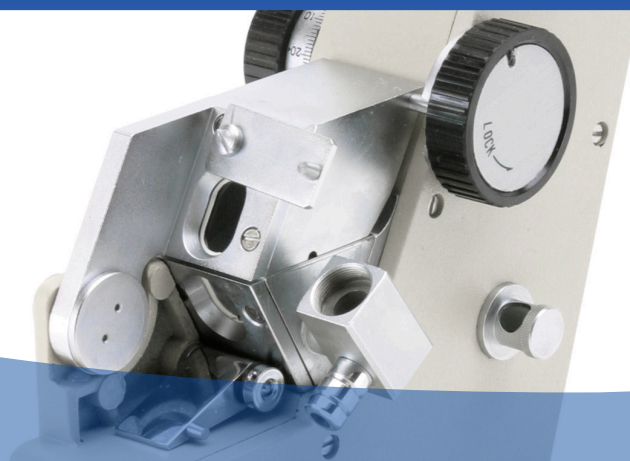


OPTIKA

REFRACTOMETER AND POLARIMETER



2011

www.optikamicroscopes.com

Refractometers & Polarimeter

Italian headquarters



OPTIKA Microscopes belongs to the group “M.A.D. Apparecchiature Scientifiche” and, with its almost 40 years experience in the field of scientific instrumentation, is worldwide known as a leading Company for optical microscopes’ production and distribution.

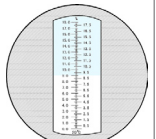
The Company, a team of 70 people in 3 different European locations, is engaged in the development of new models, production, quality control, sales and after-sales service.

OPTIKA microscopes excellence, concerning quality, innovation, competitive prices and customer assistance, reaches the end users through a wide network of national and international distributors.

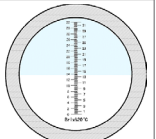
HAND REFRACTOMETERS



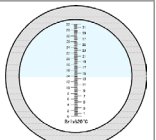
HR-110 Hand refractometer, 0-18%
 Measuring range: 0-18% Brix
 Resolution: 0.1% Brix
 Without ATC



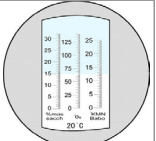
HR-120 Hand refractometer, 0-32%
 Measuring range: 0-32% Brix
 Resolution: 0.2% Brix
 Without ATC



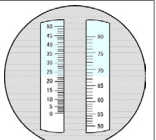
HR-130 Hand refractometer, 0-32% ATC
 Measuring range: 0-32% Brix
 Resolution: 0.2% Brix
 With ATC
 Compensation temperature range: 10°C-30°C



HR-140 Hand refractometer, 0-32% ATC, triple scale
 Measuring range: 0-32% Brix, 0-140° OE (Oechsle), 0-40° Babo (KMN)
 Resolution: 0.2% Brix, 1% OE, 0.2° Babo
 Without ATC



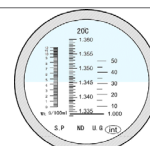
HR-150 Hand refractometer, 0-80%, double scale
 Measuring range: 0-80% Brix
 Resolution: 1% Brix
 Without ATC



Refractometers & Polarimeter

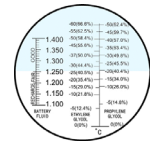
HR-160 Hand refractometer for urine and proteins

Measuring range: Serum Protein 0-12g/dl, Specific Gravity 1.000-1.050sg, Refractive Index: 1.330RI-1.360RI
Resolution: Serum Protein 0.2g/dl, Specific Gravity 0.005sg, Refractive Index 0.0005RI
Without ATC



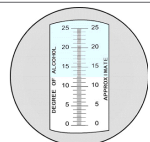
HR-170 Hand refractometer, for battery, antifreeze

Measuring range: Ethylene Glycol -60°C (66.6%)-0°C (0%), Propylene Glycol, -50°C(62.4%)-0°C (0%), Battery 1.100-1.400sg
Resolution: Ethylene Glycol 5°C, Propylene Glycol 5°C, Battery 0.01sg
Without ATC



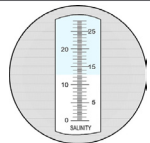
HR-180 Hand refractometer for wine and grape

Measuring range: Alcohol° 0-25%
Resolution: Alcohol° 0.2%
Without ATC



HR-190 Hand refractometer, 0-28%, for salinity

Measuring range: Salinity: 0-28%
Resolution: Salinity: 0.2%
With ATC



Compensation temperature range: 10°C-30°C

HRD-300 Digital refractometer 0-45%, Brix Measuring range: 0-45% Brix Resolution: 0.1% Brix

Automatic Temperature Compensation Temperature range: 0-40°C, 32-104°F
Precision of temperature measurement: 1°C, 2°F Temperature resolution 0.1°C
Operation temperature 0-35°C, 32-90°F Storage temperature: 0-50°C, 32-122°F
Dimension and weight: 185x59x45mm, 230g Power Supply: 1 battery 9v Alarm of Low Voltage



HRD-400 Digital refractometer 0-28%, for salinity

Measuring range: 0-28% Resolution: 0.1%
Automatic Temperature Compensation Temperature range: 0-40°C, 32-104°F Precision of temperature measurement: 1°C, 2°F
Temperature resolution 0.1°C Operation temperature 0-35°C, 32-90°F Storage temperature: 0-50°C, 32-122°F
Dimension and weight: 185x59x45mm, 230g Power Supply: 1 battery 9v



HRD-500 Digital refractometer, for urine, serum and DI Measuring range: Urine SP.G 1.000-1.050, Serum P. 0-12g/dl,

Refractive Index 1.3330-1.3900 Resolution: Urine SP.G 0.001, Serum P. 0.1g/dl,
Refractive Index 0.0001 Automatic Temperature Compensation Temperature range: 0-50°C, 32-122°F
Precision of temperature measurement: 1°C, 2°F Temperature resolution 0.1°C Operation temperature 0-35°C, 32-90°F
Storage temperature: 0-50°C, 32-122°F Dimension and weight: 185x59x45mm, 230g Power Supply: 1 battery 9v



2WAJ ABBE BENCH REFRACTOMETER

Main prism: horizontal Secondary prism: fitted on a hinge

Refraction index scale: Nd 1.300 – 1.700

Precision: Nd \pm 0.0003

Division: Nd 0.0005

Sugars scale: 0-95% from Nd 1.300 – 1.530

Precision: 0-50% = 0.2%; 51-95% = 0.1%

Division: 0,25%

Thermometer scale: 0°C - 70°C, div. 1°C

Weight: 4 Kg Size: 140 x 100 x 235 mm



2WAJ

POL-1 BENCH POLARIMETER

Circular polarimeter using Nicol prisms, with monochrome light source

(589.3 Nm sodium bulb). Measurement range: \pm 180°

Precision: 0.05% Division: 1°

Magnification: 3x Eyepiece: with fine focusing

Stabilisation time: 5 mins. approx.

Polarimeter tubes: 100 mm and 200 mm

Size: 510 x 135 x 380 mm Power supply: 230V/50Hz, 30W



POL-1

Replacement parts for POL-1 polarimeter:

POL-1.1 Sodium bulb

POL-1.2 100 mm polarimeter tube

POL-1.3 200 mm polarimeter tube

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