

OPTIKA

M I C R O S C O P E S

I T A L Y



REFRACTOMETERS POLARIMETER

Refractometers and polarimeter

Refractometers & Polarimeter



Italian headquarters

Optika Microscopes is the optical microscopy division of M.A.D. Apparecchiature Scientifiche, a Company established over 30 years ago as a key actor in the field of scientific instrumentation.

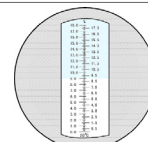
A team of 60 people in 4 European locations works on the development of new models, on production, on quality control, on supply and aftersales services. A network of local distributors extends to the end users the Optika excellence in quality, innovation, competitive prices and assistance.

To the present day, Optika Microscopes offers more than 80 different microscope models, with full accessories, for the most diverse fields of optical microscopy. A challenging market, that Optika Microscopes approaches with professionalism and commitment.

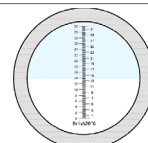
HAND REFRACTOMETERS



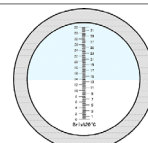
HR-110 Hand refractometer, 0-18%
 Measuring range: 0-18% Brix
 Resolution: 0.1% Brix
 Without ATC



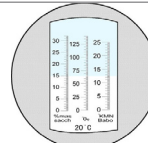
HR-120 Hand refractometer, 0-32%
 Measuring range: 0-32% Brix
 Resolution: 0.2% Brix
 Without ATC



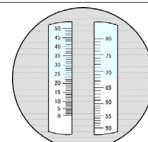
HR-130 Hand refractometer, 0-32% ATC
 Measuring range: 0-32% Brix
 Resolution: 0.2% Brix
 With ATC
 Compensation temperature range: 10°C-30°C



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

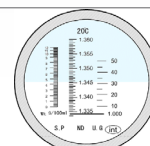


HR-150 Hand refractometer, 0-80%, double scale
 Measuring range: 0-80% Brix
 Resolution: 1% Brix
 Without ATC

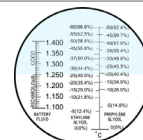


Refractometers & Polarimeter

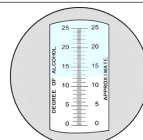
HR-160 Hand refractometer for urine and proteins
 Measuring range: Serum Protein 0-12g/dl, Specific Gravity 1.000-1.050sg, Refractive Index: 1.330RI-1.360RI
 Resolution: Serum Protein 0.2g/dl, Specific Gravity 0.005sg, Refractive Index 0.0005RI
 Without ATC



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_s 0-25%
 Resolution: Alcohol_s 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 ± 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: $\pm 180^\circ$
 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

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


POL-1

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