

MEIJI
—LABAX—

RF GEMOLOGICAL REFRACTOMETERS

The standard system to identify unknown gemstone is to measure the refractive index and to determine the optic character of the gemstone.



RF-251/05

ISSCO

Ph.(02) 9743 2588
Fax.(02) 9736 2835

GEMOLOGICAL REFRACTOMETER WITH POLARISCOPE MODEL RF-251/05

The Model RF-251/05 Gemological Refractometer with Polariscope is an ideal instrument having both functions of refractometer and polariscope in one unit.

The refractometer part has been designed with built-in prism, which has very high and definite refractive index, to measure the critical angle between the prism and the gemstone, which is converted to refractive index through the scale and indicated in direct reading.

The polariscope part is designed, with built-in

illuminator, to determine the optic character of transparent to translucent gemstones by polarizer and analyser. It can also be used to detect dichroism in colored gemstones and to detect strain diamonds.

Specifications:

Measuring range: from nD 1.30 to 1.81

Supplied with Polarizing attachment for refractometer eyepiece and Monobromo-naphthalene in Wooden case.

Size and weight: 120(W) x 150(D) x 103(H)mm
1.35kg

GEMOLOGICAL REFRACTOMETERS

ISSCO

Ph.(02) 9743 2588

Fax.(02) 9736 2835



RF-251/10

GEMOLOGICAL REFRACTOMETER MODEL RF-251/10

The RF-251/10 Gemological Refractometer has been designed with built-in prism, which has a very high and definite refractive index, to measure the critical angle between prism and gemstone in accordance with the all reflection phenomenon. The measured critical angle is converted to refractive index through the scale and indicated in direct reading. It is also possible to observe the double refraction and any other optic character of gemstones.

Features and Specification:

- Handy compact size.
- Built-in shading cover to shut-out any ghost-light and to increase brightness.
- Supplied with polarizing attachment to observe double refraction.

Measurement range: from nD 1.30 to 1.81

Supplied with Polarizing attachment and Monobromo-naphthalene in wooden case.

Size and weight: 50(W) x 150(D) x 103(H)mm
0.70kg

CAT. NO. MA650
LENS CLEANING PAPER
Chemically treated
100% Cotton
20 sheets/pack
Size: 130mm x 67mm