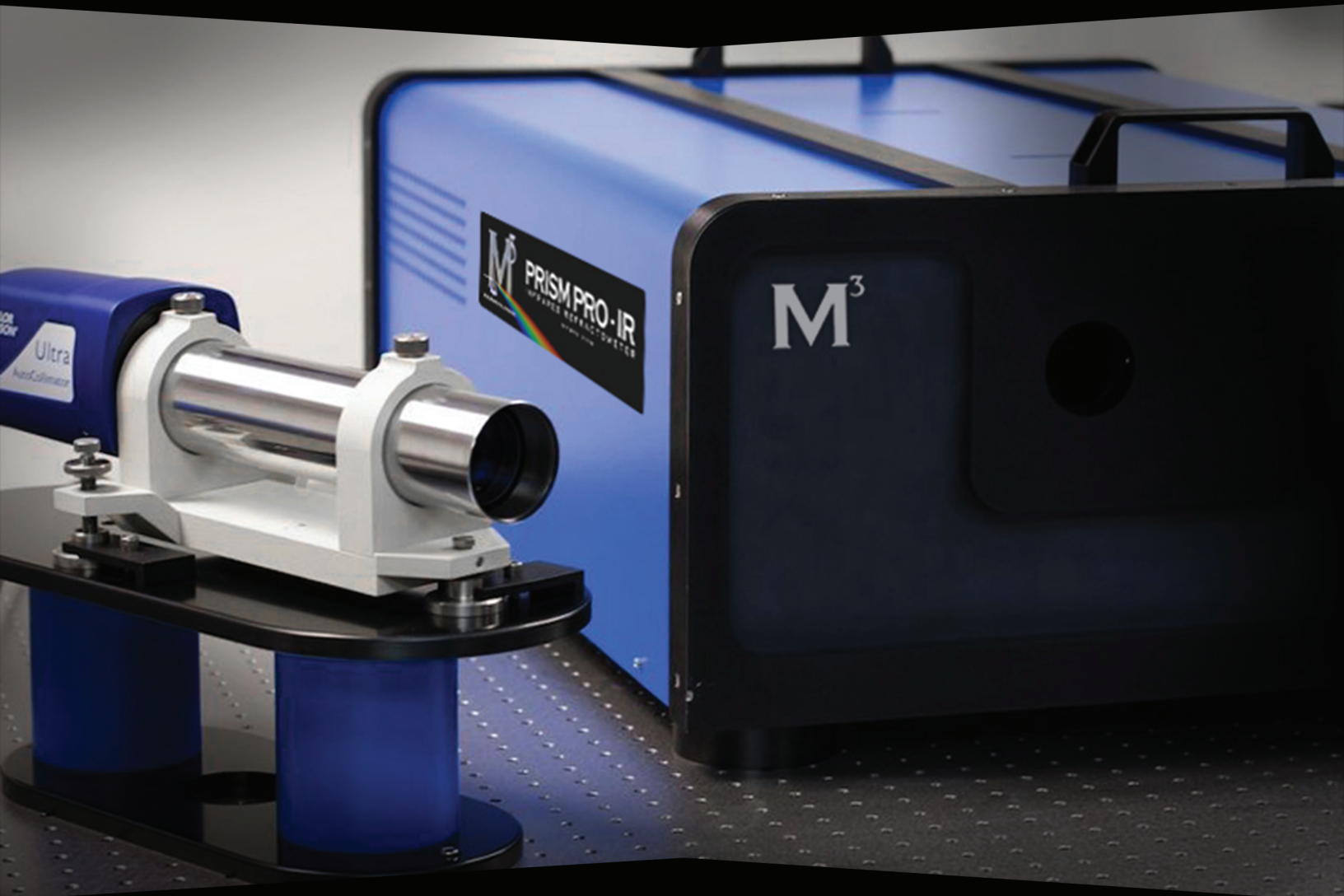




THE PERFECT BLEND OF INNOVATIVE DESIGN AND CUTTING EDGE TECHNOLOGY

PRISM PRO IR REFRACTOMETER

The Prism Pro - IR is a state of the art Infrared Refractometer. It is the ideal instrument for testing mid-wave infrared imaging components/systems and optical material homogeneity.

M3MSI.COM

PRISM PRO IR SPECIFICATIONS

SPECIFICATION

*Accuracy (Calibrated)
*Repeatability
Wavelength Range
Wavelength Accuracy
Wavelength Programmability
Instrument Test Aperture
Rotary Stage Resolution (both)
Dual RTD (Resistive Thermal Devices)
Detector
DSP Lock-In Amplifier

DESIGN VALUE

+/- 0.00005
+/- 0.00002
1 μ m to 14 μ m
+/- 0.05%
<1nm
25 mm Diameter
.008 arc sec
+/-0.3 Deg C
MCT
SRS 830

SOURCE / MONOCHROMATOR SPECIFICATIONS

Source Type
150 W Quartz-Halogen Lamp (0.25 - 3.5 μ m)
Ceramic Glower (2.0 - 30 μ m)

Automated Tri-Grating Turret Mount
Automated 11-Position Second Order Blocking Filter Wheel
Variable Speed Optical Chopper (10 – 350Hz)
(6) Sets of User Interchangeable Slits

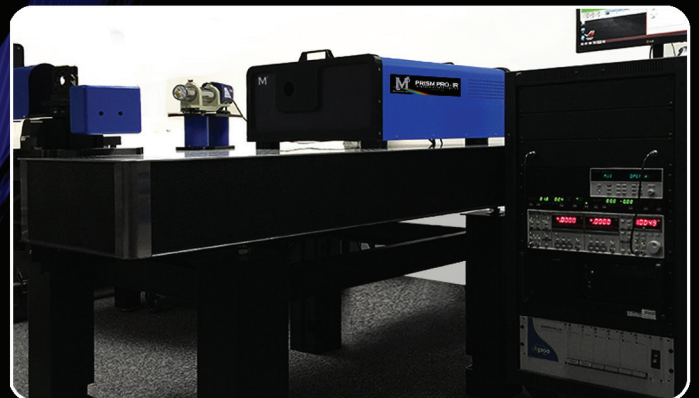
MAINFRAME

Envelope Dimensions (LWH)
Electrical Requirements
Laser Safety
Weight
6ft x 4ft x 3ft
120 VAC, 60 Hz
CDRH Class IIb Laser Product IEC Class 3B
1100lbs (with table)

ANALYSIS SOFTWARE / M3 AUTOMATED REFRACTIVE INDEX PACKAGE

*Accuracy and Repeatability are verified with a 60 deg
CaF₂ prism @3.39 μ m

- Sample Flatness
- Apex Angle
- Ambient Temperature Control in Lab
- dn/dT of the sample
- Dispersion of the sample
- Transmission (signal to noise)



M³ MEASUREMENT SOLUTIONS INC.

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