

FiberAnalyzer

Goniometric Radiometer
for fiber/diode analysis



FiberAnalyzer is a characterization instrument for the angular radiation intensity of light. The device provides real-time far-field measurements over a 60° angular field.

Features

- Measures Numerical Aperture
- Measures Angular width ratio
- Measures Angular position with respect to the optical axis
- Measures power

Main Applications

- Fiber optic far-field angular radiation
- Laser diode/Led far-field angular radiation
- Collimation measurements
- Coupling of energy into fiber



DUMA OPTRONICS LTD.

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Specifications

Spectral response	300-1100nm or 800-1800nm
Detector type	Si or InGaAs
Connector type	Receptacles to various fiber optic connectors and adaptors for laser diodes
Measuring range	60° ($\pm 30^\circ$)
Angle accuracy	$\pm 1\%$
Spatial Resolution	$\pm 0.05^\circ$
Scan unit weight	2.5kg
Scan unit dimensions	229x147x85mm

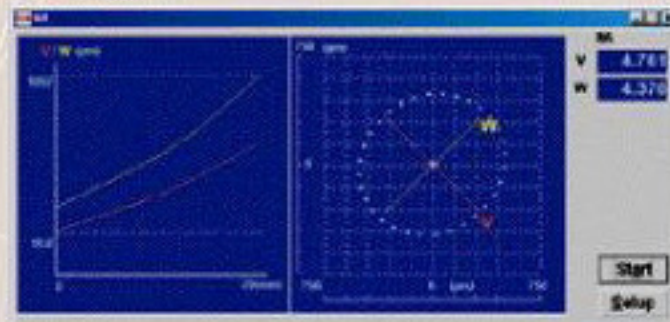
Software Features

Power



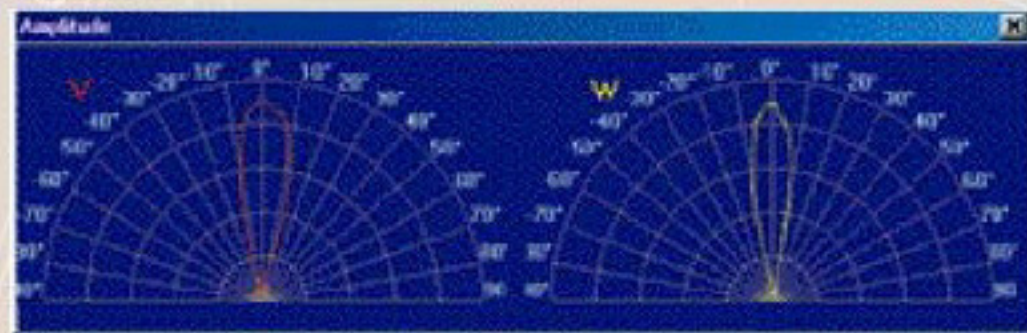
Real time power measurement

NA Measurement



Real-time N.A. measurement and monitoring of angular position in two axes

Goniometer



Real-time display of angular propagation in two axes

Ordering Information

Complete System containing: Stand alone operating console, scan unit, attachments for fiber optic or laser diode, software package installed on console unit.

FyberAlyzer - InGaAs: System based on InGaAs detector

FyberAlyzer-Si: System based on Si detector



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