



Ridgmount Technologies represents Data-Pixel in the UK with their wide range of Test & Measurement Equipment for optimizing the performance of fibre optic terminations.

The Daisi is the industry's first fully automated production interferometer. The auto-fibre find and auto-focus features combined with the standard setting Data-Pixel software make it the most operator friendly and yet the most versatile of measurement equipment.

The Daisi can be configured to measure both PC and MT type connector interfaces.

Product Features

- Non-contact Interferometer.
- No exterior moving parts.
- Vibration insensitive.
- Robust multi-interface connector holder (PC/ APC).
- Automatic connector retention.
- Auto-focus.
- Auto-fibre find.
- Auto-calibration.

Product Benefits

- Full IEC / Telcordia Compliance.
- Unique Data-Pixel Rapid-Measure software (2.5sec).
- User programmable.
- Suitable for factory and on-site applications.
- Simple One-button control.
- Single Link Cable (USB2.0) to desktop or laptop.
- Process Improvement.
- Detailed reporting capability – Excel format.

For Single Fibre Measurement

Measured parameter (unit)	Range	Accuracy / Precision* / Reproducibility**
Ferrule radius (mm)	3 to 100	5% / 0.5% / 0.8%
Fiber spherical height (nm)	+/- 160nm	10nm / 1.5nm / 2nm
Fiber planar height (nm)	+/- 160nm	10nm / 1nm / 1.5nm
Apex Offset (µm)	0 to 300µm	5µm / 0.5µm / 1µm
Apex Bearing (degrees)	0 to 360	n/a
Angle error (degrees)	calculated from Apex	n/a
Key error (degrees)	calculated from Apex	n/a
Ferrule roughness Sq (nm)	0 to 160nm	10nm / 2nm / 2nm
Fiber roughness Sq (nm)	0 to 160nm	10nm / 2nm / 2nm

*Precision and **Reproducibility: 1-sigma values

Precision values calculated from 50 consecutive measurements without removal of connector from interferometer

Reproducibility values calculated from 50 consecutive measurements with removal of connector from interferometer

Power Supply Computer	100-240Volts / 50-60Hz / 300W
Power Supply for the DAISI system	100-240Volts / 50-60Hz / 100W
Temperature	15°C-30°C in operation / 10°C-45°C storage
Humidity	RH Maximum 80% no condensation



Technical Data Sheet

Part No. 500 1012 xx	DRAWN: CRP	ISSUE: B	CHECKED: ML	DATE: 01/02/08
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Description: Daisi Production Interferometer

Dimensions in millimetres unless otherwise stated.
Do not scale.

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optimising optical fibre performance