

DATA SHEET

DAISI-V2 Interferometer

Features

- Single unit for measurement of single-fiber PC and APC ferrules, connectors and bare fibers.
- Non-contact measurement
- Vibration insensitive
- Fast Autofocus
- One-button easy operation
- Strongest ferrule holder in the industry with automated open/close feature. Can perform measurements while handling the cable
- Connector key adaptors for most connector types. Special design provides easy loading feature
- Compliance with Industry Standards for Interferometer Measurements (True phase shifting)

Benefits

- Minimal operator training
- Fast turn around time when changing fixtures
- Measurement report and history report in Excel
- Fast and automated measurement of radius, apex offset, fiber height + more

Applications

- Fiber Optic Production
- Process Control
- Incoming or outgoing QA
- Field verification of connector geometry

Digital Automated Interferometer for Surface Inspection

The ultimate production interferometer for measuring end-face geometry on single fiber and MT-RJ connectors, equipped with a revolutionary "no-exterior-moving-parts" mechanical design. DAISI-v2 was designed with years of industry feedback in mind in order to satisfy the most demanding requirements for the use in the production environment. Non-compressed, real time and high quality images are transferred from the hardware to the software via a USB2.0 high speed link in addition to the automation and control commands. DAISI is portable and can be interfaced to laptop or desktop computers. All calibration steps are automated and embedded into a user-friendly software interface in order to yield error-free and reliable measurements.

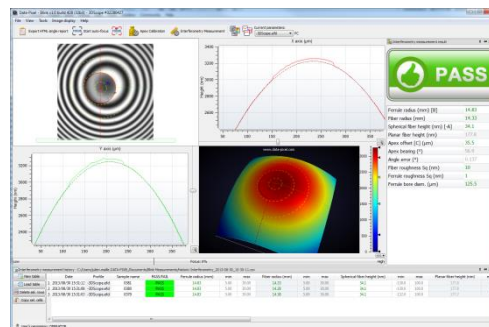


Specifications

Parameter	Repeatability / Reproducibility	Range
Radius (mm)	±0.1% / ±0.2%	3 to flat
Apex Offset (µm)	±0.5 / ±1	0 to 500
Fiber Height (nm)	±1 / ±1.5	±160 (±20000 in WL mode)
Fiber Cleave Angle (°)	± 0.03°	0 to 12°
Measurement Speed (sec.)		2
Magnification		X300
Wavelength (nm)		633

Software Platform

BLINK: BLINK is now highly customizable, modern software with plugin architecture. It supports all Data-Pixel products, each product having a dedicated plugin (Automated Visual Inspection, Interferometry, Concentricity, Far-Field, PM Alignment, and custom applications).



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Ordering Information

Part Number	Description
DPLC-DAISI-V2	Fully automated production interferometer, DAISI (V2) (Digital Automated Interferometer for Surface Inspection) , for the measurement of geometrical parameters of Single-Fiber optical connectors, including: - 1 software module, dedicated to the measurement of geometrical parameters of Single-Fiber optical connectors - 1 hardware system for the measurement of geometrical parameters of Single-Fiber optical connectors with 1.25 and 2.5mm ferrules (incl. E2000, FC, SC, LC, MU, PC/APC adaptors) - 1 specific carrying case
DPLC-DAISI-WL	Module for the measurement of connectors using White-Light scanning method to be used on a DAISI measurement system, for measuring fiber heights up to 15µm: comes as an upgrade of the optics, electronics, and mechanics (it uses a closed-loop white-light scanning setup), a software upgrade, one MTRJ flange
DPLC-DAISI-MAINT	- General maintenance of a DAISI interferometer - Full cleaning, check and test of the unit - Calibration of the unit - Maintenance report - Certificate of calibration The mentioned price does not include the eventual spare parts nor shipping fees of the unit to and from Data-Pixel
DPLC-PED	Foot Pedal
DPLC-DAISI-1.25-V2	1.25 mm Flange
DPLC-DAISI-2.5-V2	2.5 mm Flange
DPLC-DAISI-1.6-V2	1.6 mm Flange (Amphenol type connectors)
DPLC-DAISI-2.0-V2	2.0 mm Flange (Lemo type connectors)
DPLC-DAISI-LC-DUP-V2	1.25 mm Flange for LC Duplex
DPLC-DAISI-E2000	E2000 key adaptor
DPLC-DAISI-SC-CV2	SC key adaptor CV2 version, metal
DPLC-DAISI-LC	LC / F-3000 key adaptor
DPLC-DAISI-LC-CV1	LC key adaptor, metal
DPLC-DAISI-FCW	HPC key adaptor (FC Wide)
DPLC-DAISI-FCN	HPC JDS key adaptor (FC Narrow)



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