

Data-Pixel 3D-Scope

Features

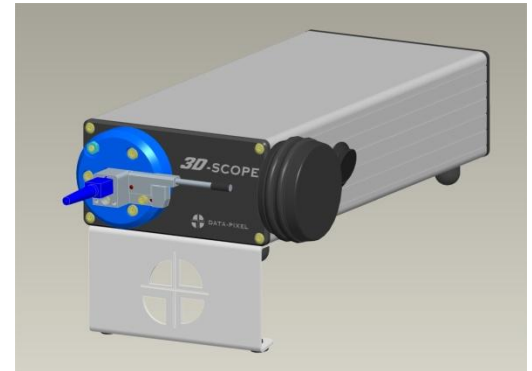
- Single unit for measurement of single-fiber PC and APC ferrules, connectors and bare fibers.
- Non-contact measurement
- Vibration insensitive. Measurements can be made when holding the system by hand
- Connector key adaptors for most connector types. Special design provides easy loading feature
- Compliance with Industry Standards for Interferometer Measurements (True phase shifting)

Low cost full phase shifting interferometer.

The new low cost interferometer uses the industry-proven DAISI software. 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.

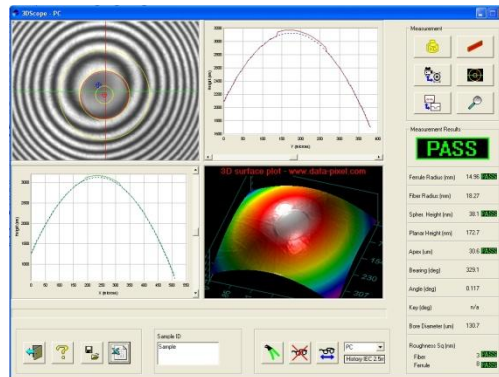
3DScope is portable and can be interfaced to laptop or desktop computers through one single USB link only (including power).

All calibration steps are automated and embedded into a user-friendly software interface in order to yield error-free and reliable measurements.



Benefits

- Measurement data exported in standard excel format
- Statistics on measurements available
- Fast and automated measurement of radius, apex offset, fiber height + more



Applications

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



Specifications

| Parameter | *Repeatability/Reproducibility | Range |
|-------------------|--------------------------------|-----------|
| Radius (mm) | ±0.02%/±0.4% | 3 to flat |
| Apex Offset (um) | ±0.7/±1.5% | 0 to 500 |
| Fiber Height (nm) | ±1/±1.5 | ±160 |
| Fiber Cleave (°) | ±0.05 | 0 to 12° |
| Measurement Speed | | 3 seconds |
| Power & Interface | | USB 2.0 |

* 1 Sigma values.

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your order:
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Tel: 1-866-899-7953 Fax: 678-623-0652 sales@connectedfibers.com www.connectedfibers.com

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Ordering Guide

| Part Number | Description |
|----------------------|---|
| DPLC-3DSCOPE-BASE | Basic Hardware Includes: 3D-Scope Interferometer PC Base module 2.5mm fixture 3D-Scope Interferometer Software (one license) |
| DPLC-3DSCOPE-1.25 | 1.25mm fixture |
| DPLC-3DSCOPE-APCBASE | Base plate for measurement of angled (APC) measurements |
| DPLC-3DSCOPE-APC-SC | SC plate to key SC/APC connectors for correct orientation |
| DPLC-3DSCOPE-APC-LC | LC plate to key LC/APC connectors for correct orientation |
| DPLC-3DSCOPE-APC-FCN | FC plate (narrow key) to key FC/APC connectors for correct orientation |
| DPLC-3DSCOPE-APC-FCW | FC plate (wide key) to key FC/APC connectors for correct orientation |

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