

DAISI МТ FΡ

Automated interferometer with Floating Pastille Technology

The Daisi MT FP combines the Daisi MT-V3 with the new Floating Pastille fixture technology from DATA-PIXEL (patent US 10,274,397 B2).

This major technological breakthrough for multi-fiber connector fixtures is perfectly suited for highly accurate X/Y endface angle measurements.

With the Floating Pastille fixtures, measurement results are completely independent from the influence of the fiber optic cables and the operator. Floating Pastille is perfectly suitable for the inspection of connectors mounted with heavy cables. With the help of the Floating Pastille, the Daisi MT-V3 is now easier to operate, without compromising any of its existing features : accuracy of measurements, reproducibility, speed, robustness. No calibration is now required, as it is factory set, per fixture, by DATA-PIXEL.

SPECIFICATIONS:

Measurement Method :	Phase shifting + Z scanning
Connector Type (PC/APC) :	MT12/24 & MT16/32
Illumination :	White light + Red light
Measurement speed (sec.) :	6 (MT12)
Lateral resolution (µm) :	2.5
Field of view (mm) :	5.6 x 5.6
Power source :	12V
USB outputs :	USB 3.0 + USB 2.0
Weight (kg) :	6.3
Dimensions H x W x L (mm) :	133 x 171 x 244

KEY FEATURES:

Combined White-Light and Red-Light phase-shifting interferometer for precise tip radius and core-dip measurement

Fast Autofocus that simplifies operator's handling

Very high accuracy and reproducibility for small X/Y angles measurements

Suitable for field heavy cables, standard small cables MTP/MPO connectors and pigtails with MT ferrules

No calibration required

Floating Pastille Flange is compatible with existing DAISI MT units*

Closed-loop high precision 30 microns Z-scan

Vibration insensitive

High resolution optics and camera for a better resolution

Large field of view able to scan up to 96 fibers

* existing units may need to be upgraded, depending on their configuration/version

X/Y ANGLES MEASUREMENTS:

Without Floating Pastille fixture With Floating Pastille fixture

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DAISIMT FP | INTERFEROMETRY

Device: serial:	Dalei MT 4103350602-20054	Profile: 98027 Type	24F APC MT-24_AP	eub1 °C_HQ-pastil	le Full Repo	n.efd Si	astom field ample name Operato Station sit	4103350802-2	Mathie 00549802	ų
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1	2156.4 nm	56.3 nm	= 1988	3.7 mm	19		10.2 hm	\$6.3 mm	~ 11211	2.9 m
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10	2191.2 mm	75.2 rum	- 7095	3.5 mm			116 pm	75.2 nm	+ 15211	3.6 m
11	2187.8 nm	71 /1/1	:- 1/11	3.5 mm			6.8 nm	71 nm	- 1979	3.6 m
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PERFORMANCE:

Parameters	Repeatability *	Reproducibility **	Range
X/Y angles (°) :	0.001	< 0.01	± 1 (PC or APC)
Fiber height (µm) :	0.003	0.01	Up to 20

* values calculated from 50 measurements without interaction on connector between measurements ** values calculated from 50 measurements while removing and inserting connector in ferrule holder between measurements

ORDER OPTIONS:

DAISI MT FP unit with Blink Interferometry	70-DAMT-V3-A02-01
Flange Floating Pastille Female MT 12/24	30-FL-002323
Flange Floating Pastille Female MT 16/32	30-FL-002325
Adapter MPO for MT12/24 ferrules	10-AD-001017
Adapter MPO for MT16/32 ferrules	30-AD-001776
Flange Male MT 12/24	10-FL-001354
Flange Male MT 16/32	10-FL-001729
Flange Female MT 12/24	30-FL-001355
Flange Female MT 16/32	30-FL-001357



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