

INSPECTION D SCOPE MT LWD



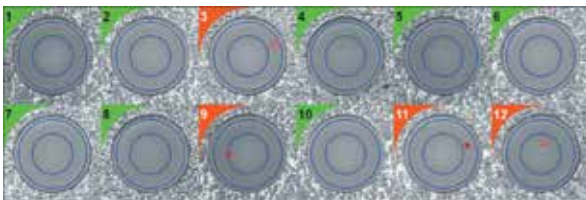
D SCOPE MT LWD

High resolution microscope for Multi-fiber connector

Designed for inspection of MPO connectors, patch-cords or bulkheads, the D Scope MT LWD **checks the cleanliness of the connector face and precisely measures the defects on the optical fiber end-faces**. Using Deep Learning technology associated with a high-resolution optical bench, **the scratch and defect detection thresholds are significantly improved compared to traditional software**.

Blink Deep Learning can be taught all types of defects indefinitely, including atypical shapes, giving this equipment unmatched capacity and detection reliability. Additionally, **thanks to a second dedicated optical bench, the same unit can identify and quantify the pollution level of the full connector ferrule**. Still using a Deep Learning algorithm, **it is now possible, for the first time ever, to provide automatic pass/fail criteria on the ferrule cleanliness**.

Thanks to its high-quality mechanics, the D scope MT LWD is an extremely rugged unit ensuring endurance over time, even under high-volume production conditions. With these new features, **the new Long Working Distance (LWD) D scope MT is the ideal instrument to verify fiber optic connector conformity**.



KEY FEATURES :

Testing of PC/APC MPO connectors in cassettes/modules or in patchcord form

Testing of PC/APC single fiber connectors

Automatic Pass/Fail defect analysis on fiber optics

Automatic Pass/Fail cleanliness analysis on MPO connector endface

Deep Learning inside with defect teaching possibility

High resolution metrology equipment

Compliance with Industry Standards as IEC 61300-3-35

Intuitive Blink software with database connectivity

Compatible with desktop PC, laptop, tablet PC

SPECIFICATIONS :

Magnification (fiber screening) :	x480*
Defect size detection (µm) :	0.4
Outputs :	USB 3.0 + 2.0
Power source :	12V
Dimensions H x W x L (mm) :	105 x 230 x 370
Weight (kg) :	7.7

* On 24" screen, 96 dpi



DEEP LEARNING
INSIDE

TYPICAL REPORT (FOR MT 12):

Device: D Scope MT serial: 4103445103-P03537-020-001 Profile: MT12-PC-Multimode.lmt Fiber diameter: 125 µm		Custom fields Operator: Albert Dupont Polish type: PC Serial number: 155 Multimode: true Connector type: MPO		<div style="background-color: red; color: white; padding: 10px; display: inline-block; font-weight: bold; font-size: 1.2em;">FAIL</div>	
Ferrule control		value	allowed	Pass/Fail	
Dirty surface (%)		1.773	1.5	FAIL	
Number of failed particles		106	0	FAIL	
Zone A: Core			Zone B: Cladding		
Diameter: 65 µm Scratches Allowed: No limit ≤ 3µm None > 3µm Defects Allowed: Up to 4 ≤ 5µm None > 5µm			Diameter: 110 µm Scratches Allowed: No limit ≤ 5µm None > 5µm Defects Allowed: No limit ≤ 5µm Up to 5 from 5-10µm None > 10µm		
Fiber	Defects	Scratches	Defects	Scratches	Pass/Fail
1	1≤5µm 0>5µm	0≤3µm 0>3µm	4≤5µm 0 from 5-10µm 0>10µm	1≤5µm 0>5µm	PASS
2	1≤5µm 0>5µm	0≤3µm 0>3µm	2≤5µm 0 from 5-10µm 0>10µm	0≤5µm 0>5µm	PASS
3	0≤5µm 0>5µm	0≤3µm 0>3µm	2≤5µm 0 from 5-10µm 1>10µm	0≤5µm 0>5µm	FAIL
4	1≤5µm 0>5µm	0≤3µm 0>3µm	1≤5µm 0 from 5-10µm 0>10µm	0≤5µm 0>5µm	PASS
5	0≤5µm 0>5µm	0≤3µm 0>3µm	1≤5µm 0 from 5-10µm 0>10µm	0≤5µm 0>5µm	PASS
6	1≤5µm 0>5µm	0≤3µm 0>3µm	0≤5µm 0 from 5-10µm 0>10µm	0≤5µm 0>5µm	PASS
7	1≤5µm 0>5µm	0≤3µm 0>3µm	1≤5µm 1 from 5-10µm 0>10µm	0≤5µm 0>5µm	PASS
8	0≤5µm 0>5µm	0≤3µm 0>3µm	0≤5µm 0 from 5-10µm 0>10µm	0≤5µm 0>5µm	PASS
9	4≤5µm 1>5µm	0≤3µm 0>3µm	1≤5µm 0 from 5-10µm 0>10µm	0≤5µm 0>5µm	FAIL
10	0≤5µm 0>5µm	0≤3µm 0>3µm	0≤5µm 0 from 5-10µm 0>10µm	0≤5µm 0>5µm	PASS
11	1≤5µm 0>5µm	0≤3µm 0>3µm	3≤5µm 0 from 5-10µm 1>10µm	0≤5µm 0>5µm	FAIL
12	3≤5µm 1>5µm	0≤3µm 0>3µm	5≤5µm 0 from 5-10µm 0>10µm	0≤5µm 0>5µm	FAIL

ORDER OPTIONS :

D Scope MT LWD unit with BLINK INSPECTION MT	70-DSMT-V1-A10-10
Flange MPO Male/Female, PC, 12/24 fibers, for Module	30-FL-002996
Flange MPO Male/Female, APC, 12/24 fibers, for Module	30-FL-002997
Mount for module	30-MT-002998
Mount for Flanges (to be used with D Scope MT Flanges)	30-MT-002999
D scope MT Flanges:	
Flange MT Male/Female, PC/APC, 12/16/24/32 fibers	30-FL-002181
Flange MPO Male/Female, PC/APC, 12/24 fibers	30-FL-002182
Flange MPO Male/Female, PC/APC, 16/32 fibers	30-FL-002183
BLINK INSPECTION for single fiber connectors measurement plugin	60-SW-000102
Flange Single fiber 1.25 mm PC/APC	30-FL-002314
Flange Single fiber 2.50 mm PC/APC	30-FL-002315