SUMIX

10/05/2026

SMX-A1 Series

Standalone probes for end-face inspection of single and multi-fiber connectors.

The SMX-A1 probes feature:

- Wide FOV for inspecting all MPO fiber ends in one shot.
- Switchable straight or pistol form factor for hard-to-reach spaces.
- Built-in 4.3" touchscreen for standalone inspection.
- Smart QC software for Pass/Fail judgement: MaxInspect™ for Android.
- Octa-core CPU for fast operation and processing.
- Storage for up to 200,000 test results.
- LED flashlight for patch panel illumination.

Two models available:

SMX-A1 - without wireless connectivity for secure applications,

SMX-A1-WiFi - with integrated Wi-Fi/Bluetooth connectivity for data transfer.

Contact us to get a quote or request a demo:
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Tel.: +1 (877) 233-3385

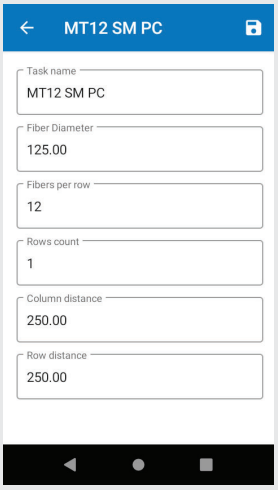
Specification

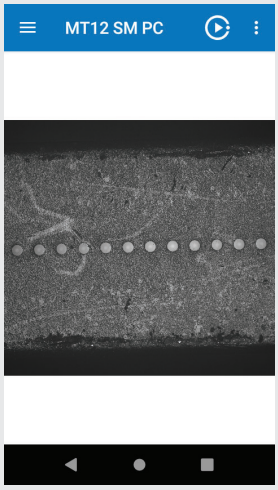
Field of view:	4.2 × 2.8 mm
Effective resolution:	1.6 µm (based on MTF calculations)
Magnification:	0.75 µm/px
Screen size and resolution:	4.3", 480 × 800 px
Power source:	Lithium-ion 5800 mAh battery; Quick Charge 3.0 support via USB type-C
Battery operation time:	in typical operation mode – 4-6 h, in heavy tests – up to 3h
Memory card compatibility:	yes (Micro SD, Micro SDHC, Micro SDXC)
Focus:	autofocus
Measurement time:	3 - 4 sec for MT12 ferrule, under 5 sec for LC duplex
Camera type:	USB 3.0, 20 Mpx
Dimensions:	305 × 68 × 74 mm (rod-type), 217 × 199 × 74 mm (pistol-type)
Housing material:	aluminum alloy
Connectors supported:	MPO 12/16, MT 12/16 (up to 6 rows of fibers) - PC/APC, Male/Female, LC, SC, E2000, MU, ST, FC, CS, MDC, SN, OptiTip, OptiTap, ODC-2, ODC-4, ODC-12. Further types can be added upon request.

MaxInspect™ for Android

The inspection result at your fingertips. Literally.

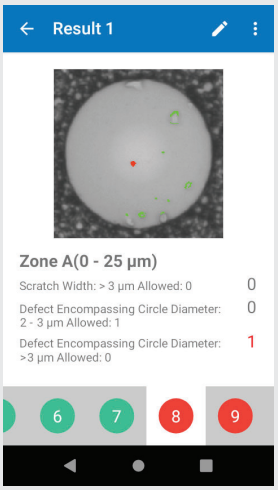
Use pre-installed inspection scenarios or customize them up to your corporate requirements or regulations.

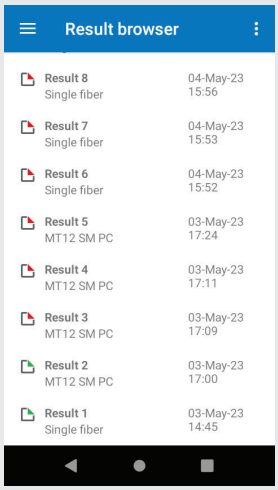




Examine ferrule surface. Check the details if needed using multi-touch gestures.

Review measurement result data and mapped anomalies to check the defects and contamination before and after cleaning.





Upload the results to a centralized database. Export PDF reports via USB or Bluetooth® connection.