



MX Interrogator

The MX interrogator is a fiber optic sensing instrument in a field deployable enclosure. Optimized for both static and dynamic FBG measurements and for the wide bandwidth range of 0.1-3.0 nm.



Main technical parameters:

Sample rate (FBG Peaks), Hz	100, 1000, or 2000
Sample rate (Full Spectrum), Hz	8
Wavelength range, nm	1538-1568 or 1528-1568
Number of optical channels	1, 2, 4, 8, 16, 24, 32 (Synchronous Scan, No switches)
Sensors per channel, max	up to 30
Repeatability, pm	± 2
Long-term accuracy, pm	± 10
Connectors	LC/APC (with internal shutters)
Operating temperature, °C	-15...+55
Dynamic range, dB	25
Power supply, VDC	5
Dimensions, mm	180 x 126 x 40
Weight, kg	0.64
Communication interfaces	Ethernet (RJ45), UART port

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