

FBG-Scope AS-313 Rack-Mountable Interrogator



Interrogators are specifically designed to interrogate Fiber Bragg Gratings (FBG) sensors. Based on continuous swept laser scanning technology, these Interrogators include a traceable wavelength reference that provides continuous calibration and ensures system accuracy over long term operation.

AS-A313 has the following benefits:

- Ultra-stable tunable source of laser radiation, providing a high level of reliability and measurement accuracy;
- Wide dynamic range and high output power allowing high resolution measurements even on long, high loss lines.
- Full control through SCPI Commands for integration in SCADA systems.

Parameter	Value
Sample rate, Hz	1
Measurement range, nm	100 (1500..1600)
Optical connectors (simultaneous acquisition)	8
Max sensors per optical connector	20
Stability/Reproducibility, pm	1.0
Wavelength measurement error, pm	± 1.0
Optical connectors	FC/APC or SC/APC
Communication	Ethernet
Operation temperature, °C	10..40
Operation humidity, %	90% (at 40 °C)
Power supply, V	100 - 240 (50 - 60 Hz)
Power Consumption, W	20
Dimensions, mm	480 x 84 x 400
Weight, kg	5