



now you see the light
IN REAL TIME

**ARAGON
PHOTONICS**

**BOSA-C
COMPACT**

Technical Specifications

TS002_0102_0708

Optical Resolution (@3dB)	80fm (10MHz @1550nm)
Wavelength Range	1528-1565nm
Span Range	1 pm to complete wavelength range
Wavelength Accuracy	+/-2pm (@1550nm)
Dynamic Range	> 80dB
Close-in Dynamic Range	>40dB @±0.33pm (filter width @ 40dB depth) >60dB @±0.44pm (filter width @ 60dB depth)
Power Range	+10 to -70dBm
Maximum Safe Total Input Power	+20 dBm
Sensitivity ⁽¹⁾	-70dBm/0.1pm
Power Accuracy ⁽²⁾	±1.5 dB
Polarization Dependence ⁽³⁾	±0.5 dB
Measurement time	1s for 10 nm
Advanced Functions	Spectral width, Total power integration, Power meter, Traces & Markers functionalities, Polarization control, Peak search, Ref. level search, Hold max/min, Averaging, Auto measurement, Macro Editor Tool (Automated measurements)...
External Application	<i>BOSA Traces Viewer Application</i>
Data storage	Internal memory External USB storage File type: traces file(*.txt, *.csv, *.jpg), program file (* .txt), measurement condition file (*.txt, *.csv) Video recording (*.avi format)
Interface	GPIB Ethernet 10/100 base T
Display	12.1 Inch colour TFT (resolution: 800x600 pixels) Touch sensitive screen
Optical Input	SMF; FC/APC (other on request)
Power Requirement	100/110/220v, 50/60Hz
Maximum Power Consumption	150W
Dimensions (mm ³) and mass	430 (W) x 230 (H) x 470 (D) mm, Approx. 22 kg.
Operating Temperature	+15°C to +35°C

These specs are subject to change without further notice. Check the latest status in
www.aragonphotonics.com.



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Notes:

- (1) Sensitivity is defined as signal value $> 6 \times$ RMS noise value, after averaging, polarization control and with *Lock Trace* on. This is given for a TLS probe with a dynamic relative power flatness of less than ± 0.02 dB.
- (2) Valid for any wavelength and power value (polarization dependence included). Valid for measurements made with polarization control, in high sampling rate mode and averaging.
- (3) For 1σ (63 % of the cases). Typical value: ± 1 dB.

Valid for software revision 1.0 or higher.