

INCLUDES A WEB  
BASED UI FOR  
REAL-TIME  
VIEWING



***Introducing the new LCM-2700 Series Rugged Portable FBG Interrogator that delivers real-world durability for go-anywhere use.***

The **FiberStrike**® LCM-2700 series Rugged Portable FBG Interrogator is a state-of-the-art solution for Fiber Bragg Grating (FBG) monitoring of temperature, pressure and strain parameters in outdoor or harsh environments. Ideal for fiber optic sensor monitoring in remote applications such as environmental services, critical infrastructure, geotechnical, and oil & gas.

- Monitors a variety of parameters via a simple optical cable connection. The LCM-2708 accommodates up to eight (8) channels of data and eight (8) FBG sensors per channel.
- Data collection via local USB storage, Ethernet or Wi-Fi managed by the FiberStrike GUI
- The ability to configure sleep/wake settings for periodic measurement is built-in, potentially extending battery life to days or weeks.
- Battery up to 30 hours continuous operation via Ethernet or local USB or up to 28 hours continuous operation via Wi-Fi.
- Delivered in a rugged, lightweight, waterproof carrying case with storage compartments for accessories.
- This Rugged Portable Interrogator series is rated IP67 which protects against dust ingress and the effects of temporary immersion against liquids.

- **Model LCM-2708 unit shown**



**Front View:** Buttons for Power and Calibration. LED Indicators display: Charge Level, Local USB Storage, and Ethernet Communication Status



**Back View;** Battery charging port.

### Specifications

Processing and Measurement	LCM-2708
Number of Optical Channels	8
Sample Speed	Up to 19.2 kHz
Wavelength Range	70 nm (1515-1585 nm)
Wavelength Stability	5 pm max
Wavelength Resolution	1 pm
Dynamic Range	4.8 nm
FBG Sensors per Channel	8
Mechanical, Electrical, and Environmental	LCM-2708
Weight (Unit only)	8 lbs.
Weight (Unit w/Carrying Case)	18 lbs.
Dimensions, Unit (L x W x H)	6.7" x 3.9" x 14.2"
Dimensions, Carrying Case (L x W x H)	16" x 29.9" x 8.3"
Communications	Ethernet or Wi-Fi
Optical Connector, Unit	MPO Style, Water Proof
Battery Life - Continuous (USB/Wi-Fi)	30/28 Hours
Operating Temperature	-20/+45 °C
IP Rating	IP67

Also included:



Power Cable



Fan-Out Cable  
(MPO to FC/LC/SC)



USB Storage