CLEVELAND ELECTRIC LABORATORIES
Thermocouples & Sensing Solutions since 1920

FiberStrike®
by Cleveland Electric Labs
LIGHT CAPTURING MOTION

FIBER OPTICS
INNOVATION

NEW

LCM-2700 Series Rugged Portable FBG Interrogator

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.

Includes a web based UI for real-time viewing

✔ 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 18 hours continuous operation via Ethernet or local USB or 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.

MADE IN THE USA
MADE IN THE USA

Model LCM-2708 Unit (featured)

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

Back View – *Battery charging port.*

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)	10 lbs.
Weight (Unit w/Carrying Case)	17.5 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)	18 Hours
Operating Temperature	-20/+45 °C
IP Rating	IP67

Also Included:

Power Cable

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

USB Storage

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