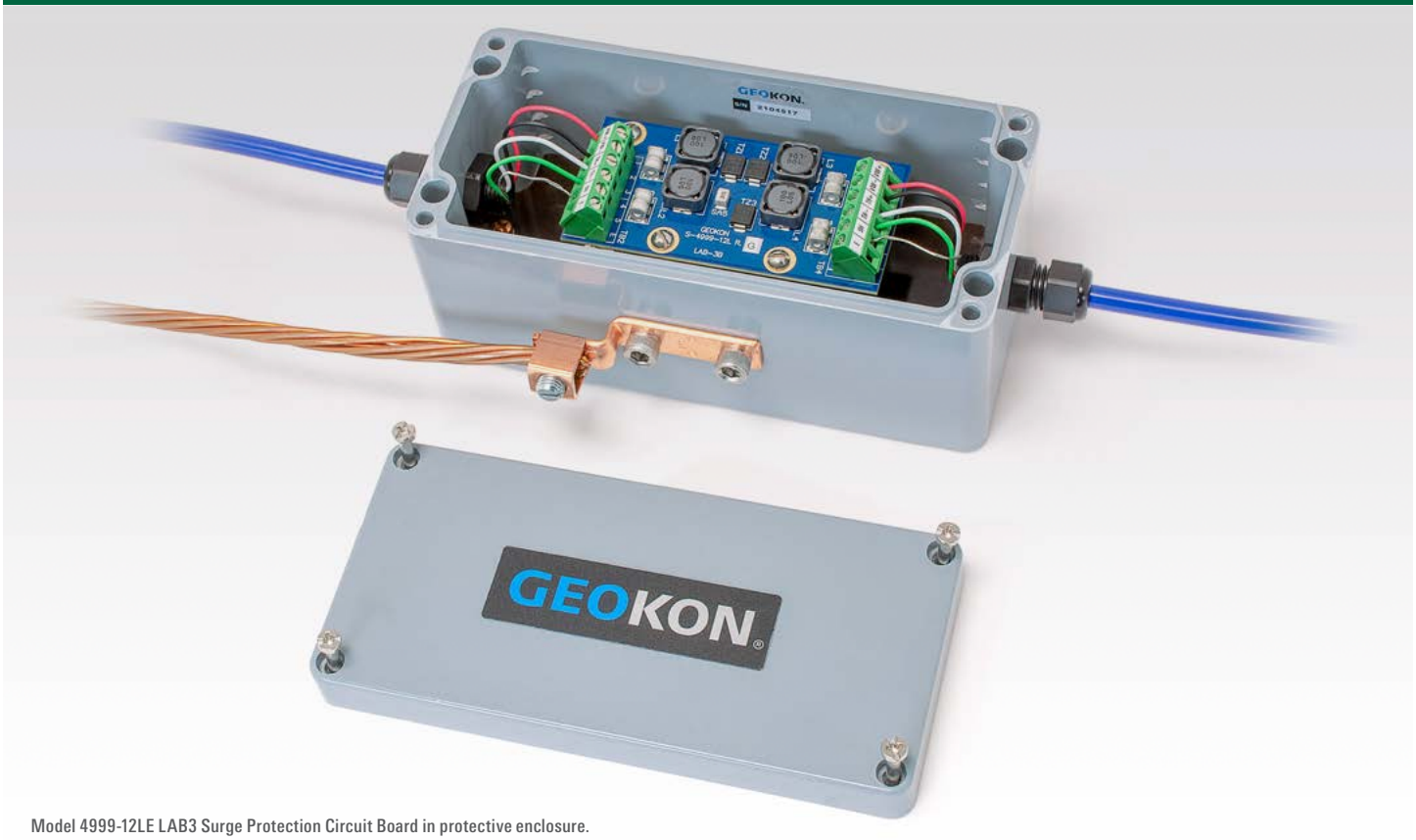
LAB3 SURGE PROTECTION CIRCUIT BOARD

GEOKON®

MODEL 4999-12L/E



Model 4999-12LE LAB3 Surge Protection Circuit Board in protective enclosure.

APPLICATIONS

The Model 4999-12L/E LAB3 Surge Protection Circuit Board is designed to protect:

- Transducers
- Dataloggers
- Power supplies

OPERATING PRINCIPLE

The Model 4999-12L/E LAB3 Surge Protection Circuit Board is designed to protect GEOKON® transducers, dataloggers and power supplies from short duration, high voltage surges that may be induced in the transducer or interconnecting cables. Protection is provided by circuitry including tripolar plasma surge arrestors, transient suppression diodes and inductors.

TECHNICAL SPECIFICATIONS

Breakdown Voltage	7.5 V, 16 V, or 30 V nominal
Peak Current	5 kA (20 µs) maximum
Temperature Range	–20 °C to +80 °C
L × W × H	160 × 74 × 76 mm

ORDERING INFORMATION

4999-12L-A: Multi-stage Surge Protection Circuit Board for 5 V power and sensor signal applications. Protects 4 leads plus the shield drain wire.
4999-12LE-A: Model 4999-12L-A circuit board mounted in protective enclosure. Includes mounting brackets and necessary screwdrivers.
4999-12L-B: Multi-stage Surge Protection Circuit Board for vibrating wire and all 12 V power and sensor signal applications. Protects 4 leads plus the shield drain wire.
4999-12LE-B: Model 4999-12L-B circuit board mounted in protective enclosure. Includes mounting brackets and necessary screwdrivers.
4999-12L-C: Multi-stage Surge Protection Circuit Board for 24 V power and sensor signal applications. Protects 4 leads plus the shield drain wire.
4999-12LE-C: Model 4999-12L-C circuit board mounted in protective enclosure. Includes mounting brackets and necessary screwdrivers.
8032-20: Grounding rod, acorn clamp and 3 meters of stranded wire. All copper construction.

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