

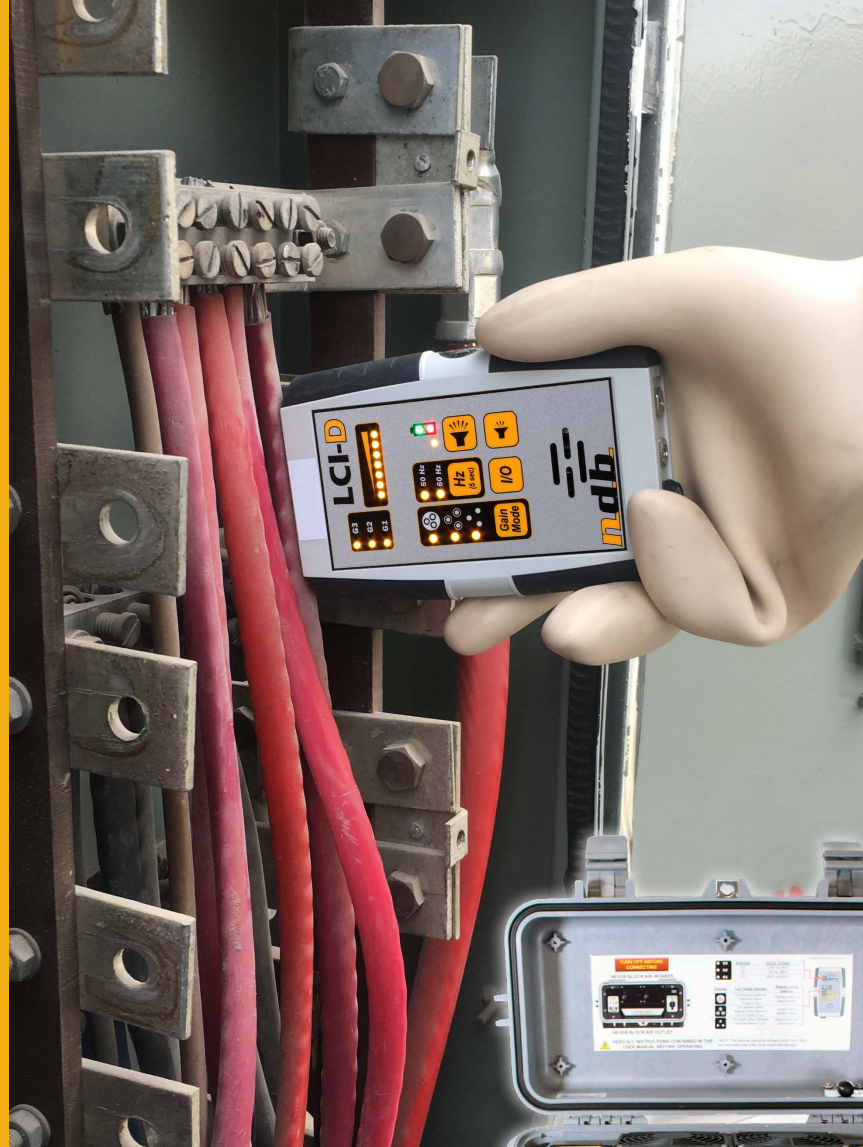
LCi™

Live Cable Identification System

The LCI™ design allows for convenient identification on energized low and medium voltage systems. Its simple and lightweight design makes it a perfect fit for applications such as cable tagging on secondary circuits of distribution transformers or identification of main feeder cables on medium voltage circuits.

Highlights

- Identification of live MV & LV circuits
- Range up to 5km (3 miles)
- Detection on insulated material
- No need to de-energized the circuit
- Work just as well on shielded cables
- Built-in or external sensor
- Lightweight and rugged design
- Batteries last for hours



Live Cable Identification System



- The LCI™ is perfectly suited for new installations & maintenance work, on shielded or unshielded cables
- 20+ years experience in the cable identification field
- **Buy with confidence.** Training and support is included and provided by ndb Tech's skilled experts who performed hundreds of successful inspections

Free interactive presentation:



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Technologies

LCi™ Detector - Technical Specs

Dimensions	9.2 x 15 x 2.5 cm (3.6 x 5.9 x 1 inches)
Rechargeable battery	Lithium-Ion, 3.7VDC, 900mA
External charger	12VDC, 1.5A
Power consumption	80 mA
Battery autonomy	4 hours
Charging time	5 hours
Operating temperature	-10 °C to 45 °C (14 to 113 °F)
Storage temperature	-20 °C to 45°C (-4 to 113 °F)
Charge temperature	0°C to 45°C (32 to 113°F)
IP rating	IP54
Relative humidity	Max. 85% RH at +40 °C, non-condensing
Altitude	Up to 2000 m
Outdoor use	Can be used outdoor, but not exposed to liquids

LCi™ Load - Technical Specs

Dimensions	50.2 x 40.0 x 18.8 cm (19.8 x 15.8 x 7.4 inches)
Weight	6.3 kg (14 lbs)
Voltage input	120 VAC to 420 VAC, 50-60 Hz
Current load	8A - 10A peak
Pulse duration	100 ms
Power (continuous)	16 W to 96 W
Pulse repetition	Every 4 to 5 seconds min.
Operating temperature	-10 to 45°C (14 to 113 °F)
Storage temperature	-20 to 45°C (-4 to 113 °F)
Protection (IP rating)	IP54 closed, IP20 opened, IP32 ajar
Relative humidity	Max. 85% RH at 40 °C, non-condensing
Altitude	Up to 2000 m
Outdoor use	Can be used outdoor, but not exposed to liquids

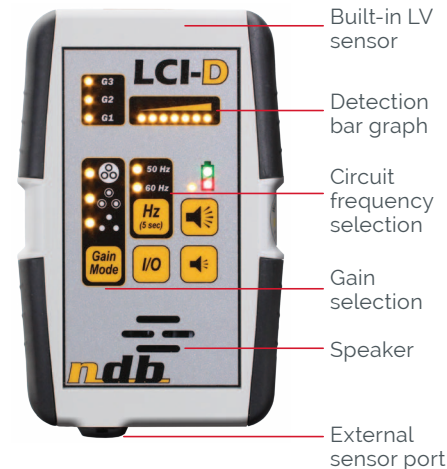
Cable Identification

Built from durable materials, the LCi™ system is designed to last for years with unbeatable performance. With years of research and development work, ndb has perfected the safest test method available in today's market. Performing LV cable, MV feeder identification has never been so easy and safe. The installation and identification processes do not require to de-energize the transformer or circuit. All can be done live without any downtime!



LCi™ Detector

The LCi™ detector is a battery-operated handheld device the operator can easily carry in his pocket. Its built-in magnetic sensor offers ultra-sensitivity for outstanding detection that works everytime, even on shielded cables. The LCi™ detector's gain is adjustable by the press of a button and gives the operator all the flexibility needed to avoid false positives. When a cable is positively identified, the bar graph will light up showing the level of detection. The built-in speaker will play a detection tone as well. For detection on the primary side of a MV transformer, the LCi™ HV sensor is connected to the detector's port.



LCi™ HV Sensor

Not only can the LCi™ detector offers outstanding performances on low voltage circuits, detection can also be done on the primary side of the distribution transformer, up to 25kV. The LCi™ HV sensor is connected to the detector's external sensor port. Handling rods are then installed on the sensor for easy operation.



LCi™ Load Module

The LCi™ load module is a lightweight & portable device the operator can install in seconds. Provided with high quality silicone leads, the LCi™ load module is connected to the low voltage side of the circuit, up to 420V. The LCi™ load will power itself from this same circuit, there's no need for additional power supply whatsoever. The LCi™ load module is not your ordinary transmitter module. It is in fact, cleverly designed on a pulsed load technology that has proven its efficiency at reducing false positives. The pulsed signal is specifically tuned for both the LCi™ load and detector modules. On top of that, the load module can be connected Phase-Neutral but also allows Phase-Phase connection.

