

VCI-3™

De-Energized Cable Identification

The VCI-3™ is a cable and phase identification system designed to operate on grounded three phase de-energized cable systems. Its unique tone and voice signal has proven its effectiveness for a great number of utilities worldwide and remains the leader in its category.

Highlights

- ▶ De-Energized Cable & Phase ID
- ▶ Cables Stay Grounded At All Time
- ▶ Extended Range Up to 10km/6miles
- ▶ Transmits a Personalized Voice Message
- ▶ Batteries Last All Day
- ▶ Array of Sensors Available
- ▶ Ready to Operate in Minutes
- ▶ No Guesswork Needed



Unmatched Effectiveness & Safety

- ▶ The VCI-3™ is perfectly suited for new installations & maintenance work
- ▶ 20+ years experience in cable & phase identification
- ▶ **Buy with confidence.** Training and support is included and provided by ndb Tech's skilled experts who performed hundreds of successful cable identifications

Free interactive presentation:



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Technologies

Transmitter Technical Specs

Tone Frequencies	580Hz, 620Hz and 680Hz
Vocal message bandwidth	300Hz to 3000Hz
Battery autonomy	8 hours
Battery	7x AA type NiMH
Dimensions	210 x 130 x 55mm
Weight	750g
Operating temperatures	-10°C to 45°C (14°F to 113°F)
Storage temperatures	-20°C to 45°C (-4°F to 113°F)
Charging temperatures	0°C to 45°C (32°F to 113°F)
Relative humidity	95% non-condensing at 50°C
IP rating	Splash and dust proof (IP-54)
Approval	CE

Detector Technical Specs

Battery	Li-Ion 3.7V 900mA
Battery autonomy	4 hours
Charge time	5 hours
Vocal message bandwidth	300Hz to 3000Hz
Dimensions	130x75x26mm / 5.12x2.95x1.02 in
Weight	170 g
Operating temperatures	-10°C to 45°C (14°F to 113°F)
Storage temperatures	-20°C to 45°C (-4°F to 113°F)
Charge temperatures	0°C to 45°C (32°F to 113°F)
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Transmitter Module

The VCI-3 transmitter module is a lightweight, portable, battery powered device that proved its worth over the years. Simply use the injection method of choice, either magnetic clamps or direct injection, and record your voice message. The transmitter will emit a tone and voice message for a whole day without failing on you. Its unique design is the safest cable identification method found on today's market.



Magnetic Injection Clamps

Hooking up the transmitter to disconnected cables is very easy, but what if the cables are still connected to a transformer or switchgear? No problem! Simply use a set of magnetic injection clamps for quick installation in seconds. Two models are available with openings of 54 or 76mm (2.125 or 3.125 inches).



A System You Can Count On

Built from durable materials, the VCI-3™ system is designed to last for years with unbeatable performance. With years of development and research work, ndb has perfected the safest test method available on today's market. Performing cable & phase identification has never been so easy and safe. All three cables stay grounded at all time when performing identification. Worried another team could be working on the same circuit without you knowing? The VCI's transmitter emits a personalized voice message you'll be able to recognize in seconds. No guesswork, no hazards!



VCI Detector

The VCI's detector is a lightweight, battery powered device anyone can use with ease. With its configurable gain, selectable operation modes, built-in loud speaker and cable ID bar graph, the VCI's detector module is an effective solution any field work. Its sensor port allows pairing with the sensor of choice for your application.



Phase ID feature

Two detection modes

All cable types are supported

- Unshielded
- Shielded
- PILC
- XLPE
- In metal pipes
- Etc..



Magnetic Sensor

The VCI's detection magnetic sensor is versatile and will perform on most types of cables, even shielded ones. Its design includes weatherproof protection.

V-Shaped Sensor

The VCI's optional V-shaped sensor allows for ultra high sensitivity detection on paper lead impregnated cables (PILC). Its design includes weatherproof protection.



Compass Sensor

The VCI's compass sensor allows for phase identification on a cut three phase cable also known as the ringing method.

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