

Ariadna CI-DE

De-energized cable identifier

Ariadna CI-DE device allows to identify any **de-energized** cable in a **RELIABLE, EASY** and **SAFE**.

In maintenance tasks, it helps users to easily identify de-energized electric cables among multiple conductors, in trenches, manholes, panels, aerial/underground conversions, etc.

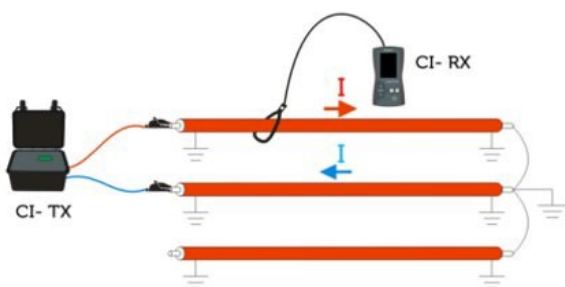


Main features

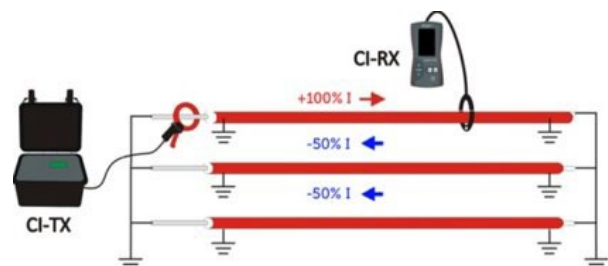
- Identify any De-energized cable
- Single-phase and multi-phase cables
- Signal injection:
 - Direct connection
 - Induced with induction clamp
- Max. cable length 50 km (*)
- TX operation time > 24h at level 2
- It doesn't require calibration before using it (calibrated at factory)
- Identification sound alert

(*) Direct connection, value determined on cable of 50 mm²

Working diagram



Direct connection



Induction clamp connection

Technical features*


*Specifications subject to change without notice

Ariadna CI-DE TX



Ariadna CI-DE RX



Size (mm)	315 x 255 x 150	Size (mm)	120 x 220 x 65
Weight	2.6 kg	Weight	0.4 Kg
Protection degree	IP65	Protection degree	IP54
Protection against electric shock	Class II 	Active signal analysis (From Ariadna -TX)	Amplitude & polarity
Signal type	Current frequency	Max. cable length	> 50 km (50mm ² cable in laboratory conditions)
Active signal power	10W	Max. loop resistance	2.000 Ω (Direct) 10 Ω (Induced)
Power source input	90-264 VAC ~50/60Hz 0.55A	Display	240 x 400 Color TFT
Power source output	12V DC === 2A	Batteries	4 x 1.5V AA
Fuses at the end of power cables	6.3x32 mm 16A0 500V 50KA type F (quick acting)	Operating Temperature	-10 / 55 °C
Display	Monochrome 160 x 100	Internal speaker	Yes (for sound alert)
Operating Temperature	-10 / 55 °C		
Charging temperature	0 / 55 °C		
Operation time (level 2)	> 24h		
Rechargeable battery	8.4V 6.6Ah Li-ion		
Car charger	Yes		

Compliance standards

Ariadna CI-DE detects any de-energized cable, and complies with the following safety standards:

- Electromagnetic compatibility: EN 61000-6-3, EN 61000-6-2.
- Electrical safety: EN61010-1 CAT IV 300V.
Protection against electric shock. Class II.



Power cable identification and location solutions