



► Application

Cable and pipe locator TKI-Poisk is designed for searching and discovering long metal underground utilities (power and communication electrical cables and metal pipes), and is used in construction, energy and utilities sectors.

The device makes it possible to verify the absence of any pipes or high-voltage cables in a given area that could be damaged during the excavation, which can lead to costly repairs or accidents.

► Technical specifications

Parameter	Value
Depth of occurrence for detecting objects, max	2.5 m
Accuracy (typical)	0.2 m @ 1 m depth
Visual and aural indication	✓
Power source	6AAx1.5B
Current consumption, max	200 mA
Duty time, min	24 hours
Net weight	3.5 kg
Dimensions	100x680x290 mm

- TKI-Poisk does not require a generator to perform a successful search;
- TKI-Poisk operates on the principle of detecting the circulating currents that flow through the underground metal communications lines, which are grounded on both ends. These currents create an alternating magnetic field which TKI-Poisk is sensitive to. Additionally, live electric cables generate an alternating magnetic field which TKI-Poisk is also able to pick up.



► Application

XLPE cables sheath testers UPZ-80-5 and UPZ-80-10 are designed for testing the sheath of cables made of cross-linked polyethylene (XLPE), as well as preliminary and accurate location of the sheath damage. UPZ-80-5 could also be used for transforming the high-resistance defects in signal, control and communication cables.

UPZ is a portable single block device.

► Technical specifications

Parameter	Value	
	UPZ-80-5	UPZ-80-10
Output DC voltage ranges, kV	0.5; 1; 2; 5	1; 2; 5; 10
Output max. DC current at ranges (correspondingly), mA	1500, 600, 300, 150	600, 300, 150, 75
Accuracy, max	3 % of range	
Minimal capacitance at load, uF	0.1	
Duty cycle (full load/idle), hours	2/1	
Power consumption, kVA, max	0.75	
Supply voltage, V	220 ± 22	
Frequency, Hz	50 ± 1	
Net weight, kg	25	
Dimensions, mm	480x200x357	

