

LKO-720
receiver



LKN-720
transmitter



LKN-720 KIT
set of transmitters



LKO-720



LKN-720



LKO-720



LKN-720

LKZ-720

LKZ-720 KIT

Locate wires and cables

Description

The Sone1 LKZ-720 cable and wire locator is a device consisting of the LKN-720 transmitter and the LKO-720 receiver. This instrument is dedicated to finding cables and wires. The LKZ-720 set allows to locate and identify electrical objects (twisted-pair cables, fuses, etc.) and conductive objects (central heating pipes, plumbing, etc.). The locator is mainly dedicated to use in the energy and installation industry, among others.

Features

- **Detection of wires and cables (live or not).**
- **Tracing underground cables.**
- **Tracing conductive water and heating pipelines.**
- Flow and accurate locating the object.
- Phase detection mode.
- Operation in wide range of rated voltage, up to 500 V RMS.
- Five modes of wire tracer operation: voltage, current, current-voltage, power and clamp.
- Additional accessories enable precise localization - such as contact or non-contact probes and measurement clamp.



Special features

LKO-720

- Receiver operation with max. 4 transmitters at the same time to locate interruptions or distinguish wires.
- Receiving status information from the LKN-720 transmitter.
- The function 3D - detecting the direction of current.
- A LED torch.
- Headphone socket.
- Software upgrade via USB.
- Screen backlight for work in dark.

LKN-720

- 4 codes of the transmitted signal.
- Transmission of information about the transmitter settings and battery charge level.
- Measurement of voltage at the object to 500 V RMS.
- Three levels of amplification.
- Automatic or manual selection of operation modes.
- Screen backlight for work in dark.



Application

Detection and tracing cables in ceilings, walls and floors

In response to the needs of customers, the LKO-720 has a specially designed 3D antenna that raises the precision of the wire tracing. Determine direction of wires in concrete up to 5 cm will not be a problem now.

Multi-transmitter operation

LKZ enables operation work with four transmitters at the same time. The multi-transmitter operation of the system enables precise location of breaks in an electric system and identify individual cores in the cable or cables in a trench.

Locating power points and switches in buildings

Specially modulated and coded signal generated by the LKN-720 transmitter allows to locate and identify sockets and switches in energized and de-energized circuits.

Identification of fuses on the distribution board

Thanks to the precise sensor in LKO-720 and additional contact and non-contact probes, identify of breakers and fuses now will be easily and time-saving.

Possibility to tracing in no access conductors

LKO-720 with C-8 clamp used in the current mode or in other mode forcing current flow, allows to uniquely identify wire or cable with no physical connection to it.

Non-contact detection of live cables

LKO-720 allows to precisely detect energized wires in air and concrete without additional probes.



Additional areas of use

- Detection of breaks in cables and wires.
- Locating short circuits between leads.
- Tracing shielded cables.
- Tracing cables in metal ducts.
- Tracing underground cables.
- Tracing conductive water and heating pipelines.



Technical specification

Transmitter LKN-720














Insulation type acc. to EN 61010-1	double
Measurement category acc. to EN 61010-1	III 600 V
Ingress protection rating acc. to EN 60529	IP67
Power supply	4 x AA alkaline batteries or 4 x Ni-MH rechargeable batteries
Maximum transmitter operating voltage	500 V RMS
Operating temperature	-10°C...+50°C 14°F...122°F

Receiver LKO-720

Ingress protection rating acc. to EN 60529	IP40
Maximum depth of the analysed object	("I" mode) 2 m 6.6 ft
Maximum range of contactless neon probe	
in air	50 cm 1.6 ft
in concrete	5 cm 0.16 ft
Power supply	9 V 6LR61 alkaline battery
Operating temperature	-10°C...+50°C 14°F...122°F



Standard accessories

	LKZ-720	LKZ-720 KIT	LKO-720	LKN-720	LKN-720 KIT
 <p>LKN-720 transmitter WMGBLKN720</p>	1	4		1	3
 <p>LKO-720 receiver WMGBLK0720</p>	1	1	1		
 <p>L-2 carrying case WAFUTL2</p>		1			1
 <p>M-6 carrying case WAFUTM6</p>	1		1		
 <p>Test lead with banana plugs; 1 kV; 1.2 m; red / blue WAPRZ1X2REBB / WAPRZ1X2BUBB</p>	1 / 1	4 / 4		1 / 1	3 / 3
 <p>Crocodile clip 1 kV 20 A red / blue WAKRORE20K02 / WAKROBU20K02</p>	1 / 1	5 / 4		1 / 1	4 / 3
 <p>Test probe with banana socket; 1 kV; red / blue WASONREOGB1 / WASONBUOGB1</p>	1 / 1	4 / 4		1 / 1	3 / 3
 <p>Test lead with banana plugs on reel; 1 kV; 20 m; red WAPRZ020REBBSZ</p>	1	1		1	
 <p>Earth contact test probe (rod) 25 cm WASONG25</p>	1	2		1	1
 <p>Non-contact probe WASONBDOT</p>	1	1	1		
 <p>Mini-USB cable WAPRZUSBMNIB5</p>	1	1	1		
 <p>M-1 hanging straps WAPOZSZE4</p>	1	4		1	3
 <p>Declaration of verification</p>	1	1	1	1	1

LKZ-720 | Optional accessories



N-1 transmitting clamp
WACEGN1BB



Double-wire test lead 2 m for N-1 clamp (banana plugs)
WAPRZ002DZBB



C-8 clamp
WASONCEGC8



C-3 clamp
WACEGC30KR



C-3 clamp adapter
WAADALKOC8



Magnetic voltage adapter black / blue
WAADAUMAGKBL
WAADAUMAGKBU




WS-05 adapter with UNI-SCHUKO angular plug
WAADAWS05



Test lead 2 m CAT IV 1000V (banana plugs, fused 10 A) black / blue / green / red / yellow
WAPRZ002BLBBF10
WAPRZ002BUBBF10
WAPRZ002GRBBF10
WAPRZ002REBBF10
WAPRZ002YEBBF10




Pin probe, black 11 kV (banana socket)
WASONBLOGB11



Universal magnetic hanging strap
WAPOZUCH6



Contact probe
WASONDOT



M1 hanging hook straps
WAPOZUCH1

LKO-720 | Optional accessories



C-8 clamp
WASONCEGC8



C-3 clamp
WACEGC30KR



C-3 clamp adapter
WAADALKOC8




WS-05 adapter with UNI-SCHUKO angular plug
WAADAWS05



Contact probe
WASONDOT

LKN-720 | Optional accessories



N-1 transmitting clamp
WACEGN1BB



Double-wire test lead 2 m for N-1 clamp (banana plugs)
WAPRZ002DZBB




Magnetic voltage adapter black / blue
WAADAUMAGKBL
WAADAUMAGKBU



Universal magnetic hanging strap
WAPOZUCH6



M1 hanging hook straps
WAPOZUCH1



Test lead 2 m CAT IV 1000V (banana plugs, fused 10 A) black / blue / green / red / yellow
WAPRZ002BLBBF10
WAPRZ002BUBBF10
WAPRZ002GRBBF10
WAPRZ002REBBF10
WAPRZ002YEBBF10