Sonel®

LKZ-720 / LKZ-720 KIT
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LKO-720
index: WMGBLKO720

LKN-720 / LKN-720 KIT
index: WMGBLKN720 / WMGBLKN720KIT

BUILT-IN FLASHLIGHT
LKO-720

CAT III 600 V
LKN-720

IP40
LKO-720

IP67
LKN-720

LKO-720
receiver

LKN-720
transmitter

LKN-720 KIT
set of transmitters

LKZ-720

LKZ-720 KIT

Locate wires and cables

Description

The Sonel 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 other underground infrastructures. The LKZ-720 allows the location of both metallic objects (cables) and non-conductive objects (PVC pipes, concrete, 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

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
	LKN-720 transmitter WMGBLKN720	1	4		1	3
	LKO-720 receiver WMGBLKO720	1	1	1		
	L-2 carrying case WAFUTL2		1			1
	M-6 carrying case WAFUTM6	1		1		
	Test lead with banana plugs; 1 kV; 1.2 m; red / blue WAPRZ1X2REBB / WAPRZ1X2BUBB	1 / 1	4 / 4		1 / 1	3 / 3
	Crocodile clip 1 kV 20 A red / blue WAKRORE20K02 / WAKROBU20K02	1 / 1	5 / 4		1 / 1	4 / 3
	Test probe with banana socket; 1 kV; red / blue WASONREOGB1 / WASONBUOGB1	1 / 1	4 / 4		1 / 1	3 / 3
	Test lead with banana plugs on reel; 1 kV; 20 m; red WAPRZ020REBBSZ	1	1		1	
	Earth contact test probe (rod) 25 cm WASONG25	1	2		1	1
	Non-contact probe WASONBDOT	1	1	1		
	Mini-USB cable WAPRZUSBMNIB5	1	1	1		
	M-1 hanging straps WAPOZSZE4	1	1		1	1
	Declaration of verification	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

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

WAPRZ002BLBBF10
WAPRZ002BUBBF10
WAPRZ002GRBBF10
WAPRZ002REBBF10
WAPRZ002YEBBF10

C-8 clamp

WASONCEGC8

Magnetic voltage adapter black / blue

WAADAUMAGKBL
WAADAUMAGKBU

Pin probe, black 11 kV (banana socket)

WASONBLOGB11

Contact probe

WASONDOT

C-3 clamp

WACEGC3OKR

C-3 clamp adapter

WAADALKOC8

WS-05 adapter with UNI-SCHUKO angular plug

WAADAWS05

Universal magnetic hanging strap

WAPOZUCH6

M1 hanging hook straps

WAPOZUCH1

LKO-720 | Optional accessories

C-8 clamp

WASONCEGC8

C-3 clamp

WACEGC3OKR

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