

## Presentation

**The device stops wheeled vehicles UOKT.013000**

**Manufacturer: CJSC "Plant Santeks"**



CJSC "Plant Santeks" is stopping device manufacturer wheeled transport UOKT.013000, which has no analogues. The basis of design incorporated high-strength structural steel, used many years of experience in the construction machinery and equipment.

It is intended to prevent the unauthorized entry of vehicles into the territory of objects by forced stopping of wheeled vehicles.

### **Overall dimensions of devices**

Name indicator	Value for execution	
	UOKT (UOKT-1)	UOKT-2 (UOKT-3)
1 The height of the device in the folded closed position above the road surface, mm	108 $\pm$ 5	15 $\pm$ 5
2 The height of the device in the folded closed position, mm	108 $\pm$ 5	108 $\pm$ 5
3 Platform height above the road surface, mm	525 $\pm$ 15	432 $\pm$ 15
4 Width of the device mm	864 $\pm$ 5	864 $\pm$ 5
5 The length of the device, mm	1986 $\pm$ 35	1680 $\pm$ 30
6 Dimensions of the main control unit, mm,		
- height,	620 $\pm$ 3	620 $\pm$ 3
-depth,	380 $\pm$ 3	380 $\pm$ 3
-width	500 $\pm$ 3	500 $\pm$ 3

8 Dimensions of remote control panel, mm, - height	90 $\pm$ 3	90 $\pm$ 3
- length	180 $\pm$ 3	180 $\pm$ 3
- width	75 $\pm$ 3	75 $\pm$ 3

### **Main factors**

<b>The main technical parameters</b>	<b>UOKT</b>
Lifting / lowering time, seconds	4-5
Place of installation of the power unit (hydraulic station)	On the remote device protected by distance (recommended to install at the checkpoint post)
Placing the power unit	Protective cabinet
Supply voltage:	220 V
Operating voltage, redundant power supplies.	12 V, battery 100Ah
Operating temperature range	от -45°C до +40°C
Using the emergency operation if there is no power on the network, the use of a redundant power supply.	from the backup battery
Using the emergency operation in the absence of power, the rise / lowering manually, time in seconds.	with a manual hydraulic pump with remote protected PPC place.
Security	Intended to stop wheeled vehicles common with a maximum mass of at least 20 m., At speeds of at least 60 km / h.
Clearance	Height in lowered position on the level of the roadway -. 15 to 108mm, is designed for the passage of all types of cars and trucks of all brands
Service	Routine maintenance of the bollard with hydraulic drive, is an annual oil change and twice a year lubricated hinge groups

### **Application area**

The devices are designed for physical protection of facilities, can also be used in automated systems for the protection of.

1. Regime Institutions
2. Objects requiring increased security



### **The principle of operation of the device**

The device is in operation (combat) position of two hydraulic cylinders. When lifting the front edge of the platform, there is a simultaneous displacement of the movable ramp in a vertical plane after the last entry constitutes "force barrier" into engagement with the hooks. The impact of the force barrier to moving vehicle, leading to a complete stop and the destruction of the latter.

The automation system provides the following functions:

- Switch to automatic mode with the main power supply to the backup when the main power supply,
- Platform lift is a single press of "raise (UP)" button,
- Lowering of the platform is carried out with a single press "delete" button, I am green and ignition green indicator on the control panel,
- Operation of the device is accompanied by a warning beep,

- With lowered platform lights lit in green mode, with a raised platform, the traffic light is lit in red mode,
  - Automatic control of the level of battery charge, constantly keeping it in a charged state.
- the mobile platform is controlled from the main panel of the control unit and remote panel. It is possible to lock out remote panel. Lock button remote control panel is located on the main control unit.
- The emergency stop device is performed by pressing the "STOP", located on the main control box and remote control panel.

## Full-scale tests

1.



2.

