SECURITY GUARD PATROL SYSTEM KOSguard

Electronic monitoring and recording of physical security activities and revisions
Uses resistant contact identification chip - iButton
For identification the portable electronic sensor KOS is used
Evaluation software runs under Windows
Various reports from inspections
The possibility of setting patrols and routes followed by automatic evaluations

Portable electronic sensor KOS

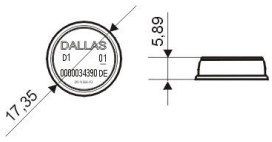
KOS-01-xxxx

Used to record the control points codes of the routes and inspection activities. By touching the sensor´s probe scan area to the identification chip, the chip code is read and assigned date and time. Sensors are available in the capacity from 100 to 8000 events (1 event = 1 iButton chip reading). KOS Sensors are available in hard aluminum or stainless steel case with a reading probe at one end and a loop for hanging at the other. The sensors are waterproof and do not get deformed. They are suitable for use under tough conditions. There are no controls. The reading is conducted by placing the sensor to the chip and is acoustically and visually indicated.

Type code	Electronic sensor KOS-0100 - 8000
Id. media technology	iButton
Capacity	500/1000/2000/4000/8000 events
Colour	silver
Identification media	DS1990A-F5/F3, DS1996-F5
Memory IDM	3 Bytes LSB
Power supply	integrated lithium battery cell 3-5V
Serial number	8 digit code saved in backup memory
Real time clock	back-up from battery
Accuracy of time	50ppm (variance max. 1 sec/day)
Working temperature range	-10/+70 °C
Operating temperature range	-10/+70 °C
Dimensions	Ø 18x98 mm
Signals	optical + accustic

Identification chip iButton

IDM-CIP-1990AF5-xx

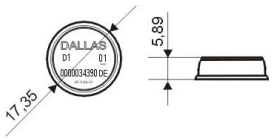


Identification medium which contains a silicon chip is hermetically sealed in a stainless steel casing. Each chip has 64-bit registration number, its uniqueness is guaranteed by the manufacturer. The chips contain DS1990 ROM. It is used mainly with the KOSguard identification system.

Type code	Identification chip DS1990A-F5
Technology	iButton
Dimensions	Ø 17,35x5,89 mm
Color	silver
Working temperature range	-40/+85 °C
Operation temperature range	-40/+85 °C
Fixing	glue / plastic holder / key fob

Data chip

IDM-CIP-1996F5-KL



Data memory chips have an integrated 64 Kb NV RAM memory backed – up with an internal lithium battery, which provides data storage for up to 10 years. Data chips are used in the off-line system KOSguard to transfer data records from the KOS sensors to a computer and to set the current time in the sensor. KOSguard system uses a type DS1996 - capacity 1018 events (1 event id = 1 read chip). The data chip is distributed with a plastic key holder.

Type code	Identification chip DS1996F5
Technology	iButton
Dimensions	Ø 17,35x5,89 mm
Color	silver
Working temperature range	-40/+70 °C
Operation temperature range	-40/+70 °C
Regime settings	transfer, set time
Fixation	plastic key fob

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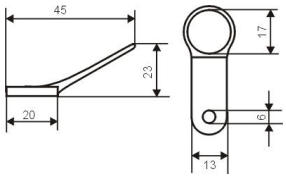
Plastic key fob /holder

IDM-KL-01-xx, IDM-PU-01-CE



Plastic key fob is used for attaching the iButton chip to a key ring. It is available in several colors. The standard color is red or black. Other colors upon request. The red key fob is always used with a data chip DS1996 for better recognition. The plastic holder is used to attach the iButton chip as a check point on the patrol route. For fixation of the plastic holder, one screw or nail suitable on any surface is used. For safety reasons it is not possible to remove the chip without damaging the holder.

Type code	Plastic key fob/holder
Technology	iButton accessories
Dimensions of key fob	Ø 20x45 mm
Dimensions of holder	Ø 35x8 mm
Color	black, red (other upon request)
Working temperature range	-40/+70 °C
Operation temperature range	-40/+70 °C

Adapter to PC

KOS-AD-01-USB

Interface for communication with the iButton chip and PC. In KOSguard system, the adaptor is used for reading identification chips when entering data about control points and guards in WSOK program and for communication with data chips. Without the attached adapter, which serves as a hardware key, the evaluation program WSOK can only run in a demo mode. The plastic reading part of the adapter is recommended to be placed next to the keyboard. The other end should be connected to an available PC USB port. The plastic part has the reading probe for reading identification chips. Both ends are connected by a cable.

Type code	Adapter to PC
Technology of id. media	iButton
Type of id. media	DS1990A-F3/F5, DS1996-F5
Supply voltage	5V, from USB port
Power consumption	till 50mA
Lenght of connection cable	165 cm
Connector type	USB A
HW address	automatic
Dimensions	57x91x26 mm, 1120 mm
Color	casing black, label yellow
Working/operational temperature range	-10/+50 °C
Installation	USB port PC

Evaluation software WSOK

SW-WSOK-xxx-00

Software WSOK runs under Windows OS. Used to enter, maintain and print primary tables (databases) of checkpoints, guards, sensors and patrol routes. After proper initial setup, the program will provide clear information about names of control points including the name of the guard who executed the patrol. Processes events of performed patrols transmitted from a data chip. There is an automatic evaluation of data from executed patrols in time sequence. Easy to check the accuracy of work. For all data, the software provides extracts in a printed form. SW allows setting of individual reports. For the basic version WSOK STANDARD, the database capacity is limited to 2 sensors, 10 guards and 50 control points. The WSOK PROFESSIONAL version offers unlimited database capacity. Installation of the WSOK program does not require any additional components. The version designed for Windows 95 and higher is adapted to be used even on slower PCs without a significant performance loss.

Type code	Evaluation program WSOK
Operation system	MS - Windows 95 and higher
Program version	WSOK STANDARD/PROFESIONAL/@KLIENT
System requirements	processor 486 and higher
	16MB RAM
	min. 10MB free on HDD

ⓘ *The program can evaluate data from some older types of patrol systems. (For such cases please consult the distributor)*

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