

Tank trailer manhole status sensor DKS-1

NPP SENSOR Datasheet DKS 17.01



Application

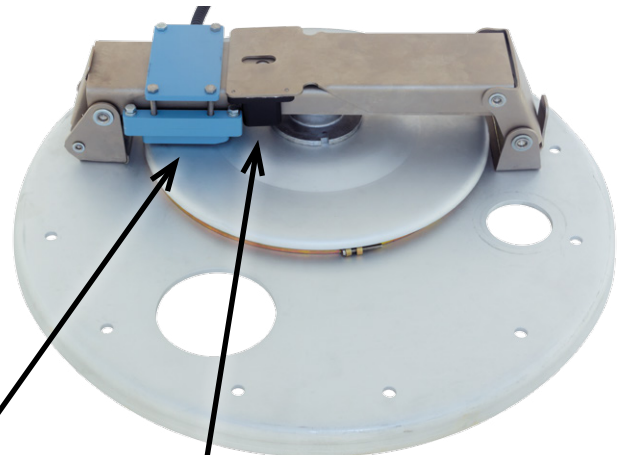
Used in monitoring systems for transport and stationary sites in order to prevent the theft and misconduct of the personnel, resulting in fuel losses and creating of emergency situations.

Allows to monitor the status of manhole covers for tank trailers, tanks, process wells. The magnetic key from the sensor kit may be used as an electronic seal.

The integrated use of the electronic compass, gyroscope and accelerometer provides the best definition of the cover position.



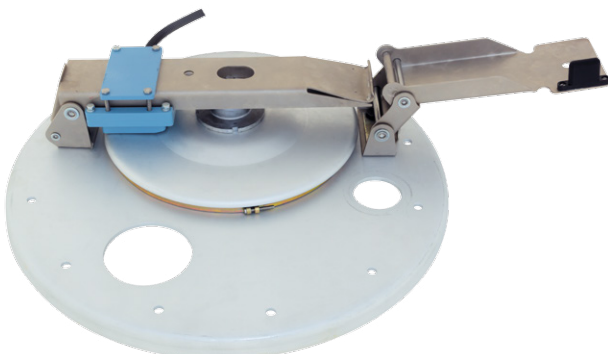
Sensor DKS-1



Cover position: closed, sealed



Magnetic key



Cover position: unsealed, closed



Cover position: unsealed, opened

Certification

Ex-EAC	CU RU C-RU.ГБ05.B.00333
ISO 9001-2015	RU228579Q-U

Main specifications

Power supply voltage, V	from 6 to 48 (DC)
Power consumption, mW, not more than	400
Definable cover positions	opened, closed, unsealed, sealed
Output interfaces	RS-485, 2 signal relays
Data exchange protocol	Modbus RTU
Ambient temperature, °C	from -50 to +60
Climatic design under GOST 15150	UHL1
Ingress Protection Rating in accordance with GOST 14254	IP67
Explosion protection marking	1ExdIIBT4
Overall dimensions, H × D × W, mm, not more than	160 × 114 × 55
Mass, kg, not more than	2.0
Diameter of connectable cable, mm	from 5 to 18
Full service life, years	10



CONTACT INFORMATION

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