



TKLS

TechnoKom Level Sensor

SMART. EFFICIENT. RELIABLE.



CONSTRUCTION

Protective cover

High-impact protective cover with a sealing capability provides an additional protection of TKLS case from unauthorized access, physical impacts and acts of vandalism.

High rate of the case protection

The sensor case is completely leakproof and provides IP69K rating protection from an ingress of dust and moisture.

Reliable protection of wires

PVC coated interlock stainless steel flexible conduit and Helukabel polyurethane cable is used to protect signal and power wires of the sensor.

Improved cable entry

The cable fixation to the sensor measuring unit is improved in order to prevent break of the protective conduit and cables during the sensor installation and operation.

Sufficient protection of connection pins

Special-purpose automobile Molex connector with IP67 protection rate is used to connect the sensor to extended cable.

FUNCTIONALITY

Built-in Bluetooth Smart modules

Special capability of wireless diagnostics and configuration of the sensor using iOS and Android powered mobile devices without cables disconnection. *

Built-in inclinometer

Transmission of vehicle inclination angles in order to obtain reliable information about fuel level and exclude false fillings and drainings. *

Auto calibration

Unique built-in function of automatic calibration dramatically reduces time for the sensor installation and increases calibration accuracy of fuel storage containers.

Settings protection password

Protection password is used in the sensor to prevent unauthorized settings changes.

Self-diagnostics procedure

The sensor can produce self-diagnostics, present error report and also record inner event log.

TechnoKom official distributor:



OPERATION

Wide range of operation voltages

Failure-free operation of the sensor in any conditions, including outdated vehicles with unstable power supply system.

Two-level galvanic isolation of the sensor

- Insulation material of the sensor case;
- Built-in full galvanic isolation of signal and power circuits with up to 2500 V of isolation strength. *

High measurement accuracy

Using only electronic components of high quality by leading manufacturers in the production allows to obtain sufficient accuracy with fluctuations less than 1% and stability of the sensor readings in the whole range of operating temperatures.

* only for TKLS model

TECHNICAL SPECIFICATION		
FLS MODEL	TKLS	TKLS-L
OPERATIONAL CONDITIONS		
Operational Voltage, V	7...60	
Operational Temperature, °C	-40...+85	
Protection Class	IP69K	
Probe Length, mm	750 / 1000 / 1500 / 2000	
Mounting	SAE 5-bolt	
Output Interfaces	RS-485, Frequency	• RS-485, Frequency • RS-232, Analog
Average Life Time, years	10	5
DIGITAL OUTPUT		
Protocols for RS-485	LLS / ModBus / AGHIP	
Protocols for RS-232	LLS	
FREQUENCY OUTPUT		
Output Frequency Range, Hz	100...3000	
Output Type	OC (open collector)	
ANALOG OUTPUT		
Output Analog Range, V	-	0...10
MEASURING FEATURES		
Operational Liquids	Gasoline, fuel oil	
Level Measuring Accuracy, %	≤1	
Resolution, bit	12	
Temperature Measuring Range, °C	-40...+85	
Temperature Measuring Accuracy, °C	±1	

