

LEVEL MEASUREMENT

CAPACITIVE LEVEL SENSORS

- ✓ *Range by order*
- ✓ *Suitable for food media*
- ✓ *Easy maintenance*

The capacitive level sensor-transmitter **MS9005LC** of MICROSYST is designated for linear measurement of level in reservoirs of different types of liquids – water, milk, wine, beer, etc., With relative dielectric permittivity >2 . MS9005LC is suitable for completion of systems for constant measurement or for signalization at reaching of limited values of controlled levels.

	MS9005LC
Range	By order
Output	4 ... 20 mA two-wire switching on
Power supply	12 ... 30V DC
Case, mm	length of the sensor - by order < 3000 mm; connection - by order; diameter of the sensor $< \Phi 15$ mm; converter - mounted in head
Operating temperature	Of the measuring part $-20 \dots 100^{\circ}\text{C}$; of the converter $-40 \dots 85^{\circ}\text{C}$

MS9005LC



CONDUCTIVE LEVEL SENSORS

- ✓ *Minimum conductivity of the medium*
- ✓ *Not influenced by availability of condense*
- ✓ *Suitable for mounting on metal and non-metal containers*

MICROSYST offers variety of conductive level sensors - with bare terminals - **SLA** or with isolated terminals in a head - **SLC1** and **SLC3**. They find application in systems for level signalization, for level control of conductive liquids in reservoirs and container. The level sensors are with isolated electrodes from the case and on their operating length, that gives possibility for usage at availability of condense.

	SLA	SLC1	SLC3
Number of the electrodes	1 ... 2 max	1 max	1 ... 4 max
Overall dimensions	length of the electrodes (mm) - by order; connection - by order		
Operating conditions	Temperature $t^{\text{max}} 120^{\circ}\text{C}$; pressure $P^{\text{max}} 2$ bar		
Power supply	9 ... 12 V DC		

SLA, SLC1, SLC3



CONDUCTIVE LEVEL CONTROLLERS

- ✓ *Easy for maintenance*
- ✓ *Control of the level in four points*
- ✓ *Functions filling / emptying*

The series **MS8105** of MICROSYST are conductive level controllers. They are designated for control and signalization at reaching of a certain level of all types of conductive liquids, in closed or open containers. MS8105 is being offered in three types of cases - for mounting on wall with degree of protection Ip65 , giving possibility for mounting in open air, for panel mounting on board and for mounting on rail (M36 DIN-RAIL). The devices for mounting on wall and for panel mounting have built-in LED indication for reaching of controlled level.

	MS8105 DIN Rail	MS8105 IP40	MS8105 IP65
Input	2 levels, 1 - GND	4 levels - conductometric level sensors, 1 - GND	
Outputs	1 discrete Kc - controlling Relay 250V/5, 10A	3 discrete Kc - controlling, KALC, KALW - alarm Electromechanical relay 250V/5, 10A	
Indication	No	LEDs	
Power supply	220V AC/50Hz		
Case, mm	M36 DIN-RAIL, 35x86x57	48x96x128 vertical, mounting hole 43x90	107x125x55 mounting on wall
Degree of protection	Ip40	IP54 - of the front part, IP40 - of the rest	IP65 of the case IP54 of the front part

MS8105

