

## Type SNKM-1.0

**basic @ level**

Free adjustable level-head-module for conductive level detection

### Advanced Features

- ▶ Processor-controlled level-switch-module
- ▶ Full-/empty message switchable
- ▶ Installation in 1-staff level probe (e. g. KS 15/17)
- ▶ Direct connection on a PLC control
- ▶ Module is moulded completely
- ▶ PC-configurable (optional)  
incl. process-monitoring + documentation
- ▶ Visualisation by use of PC-USB-Interface incl.  
Software to read out and parametrise

### Technical Features

- ▶ Installation in all conductive 1-staff level-probes with connecting-head bigger als 43,5 mm Ø
- ▶ Auxiliary Voltage 24VDC
- ▶ Output PNP, 24 V, 30 mA, invertable
- ▶ Electrodes supply AC voltage
- ▶ Storage temperature -20...+85°C
- ▶ Working temperature -10...+70°C
- ▶ Voltage-requirement <30mA
- ▶ Construction form: Ø 43,5 mm
- ▶ Supply voltage: 24 VDC +20%
- ▶ Input: 1 Electrode, ground on sleeve

### Favoured fields of application are e.g.:

- ▶ Level detection of conductive liquids
- ▶ Analysis of single-levels in conductive working 1-staff level-probes (e. g. KS 15/17)

### Sensitivity

#### Adjustable by use of Software

Range 0...10 kOhm / 10...990 kOhm

### Function full-/empty

#### Switchable

look configurations-switch

Preset      Power On value 3kΩ  
                  Power Off value 4kΩ  
                  Turn on-/turn off delay <0,1 sec.



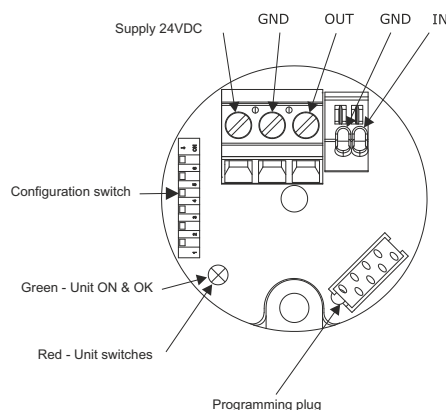
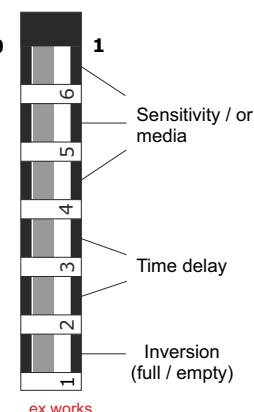
### Sensitivity adjustment at various media

| Switch                                            |   |   | Turn on/off values |     |    |
|---------------------------------------------------|---|---|--------------------|-----|----|
| 6                                                 | 5 | 4 | On                 | Off |    |
| 0                                                 | 0 | 0 | 3                  | 4   | kΩ |
| Switch setting for PC-Parameterization (optional) |   |   |                    |     |    |
| 0                                                 | 0 | 1 | 3                  | 3,5 | kΩ |
| 0                                                 | 1 | 0 | 5                  | 5,5 | kΩ |
| 0                                                 | 1 | 1 | 6                  | 6,5 | kΩ |
| 1                                                 | 0 | 0 | 8                  | 8,5 | kΩ |
| 1                                                 | 0 | 1 | 100                | 130 | kΩ |
| 1                                                 | 1 | 0 | 250                | 280 | kΩ |
| 1                                                 | 1 | 1 | 500                | 530 | kΩ |

### Delay

| Switch | 3 | 2 | Delay in sec |
|--------|---|---|--------------|
| 0      | 0 | 0 | 0,1 sec      |
| 0      | 1 | 0 | 2 sec        |
| 1      | 0 | 0 | 4 sec        |
| 1      | 1 | 0 | 8 sec        |

### Configuration-switch



Protect the device during installation and operation from electrostatic discharge. A faulty installation, as well as incorrectly parameter settings may affect your application in proper function, or cause damages. Therefore It should always exist independent safety features . Settings must be performed by qualified persoal. All necessary settings on the must be performed over configuration switches or the SNKM-Software. Should still occur problems during the start-up, you may not make any unauthorized tampering with the device. You could endanger your warranty!

- At lower deviation of dew points water condensation is possible, that can destroy the module.
- The unit must installed directly into a 1-staff level-probe. Do not use any supply lines between module and probe that are longer than 5cm !
- The CE declaration of conformity is exclusive valid by installation in a probe of the KS-1..series!