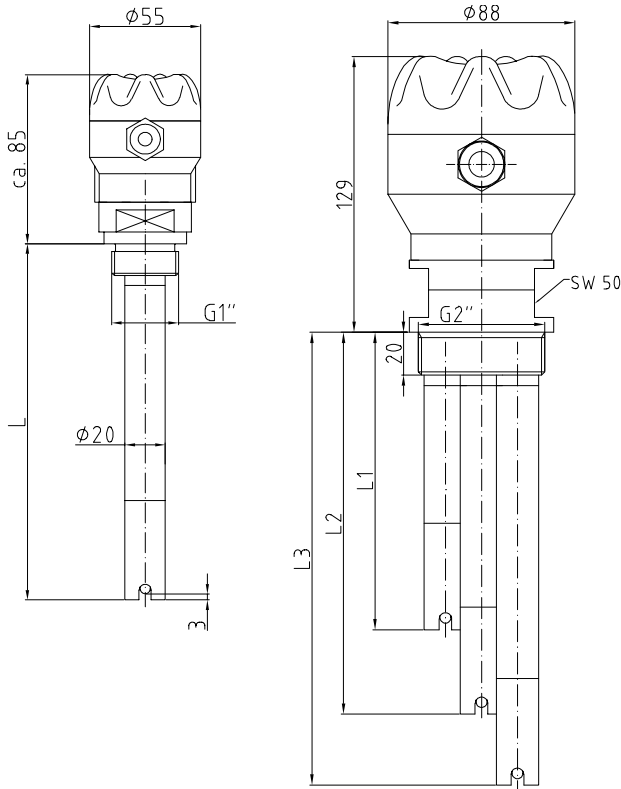


# Operating Instructions



## Acid Resistant **STS** Rod Electrodes with Glass Carbon Sensors



STS-A...

STS-D...

### Technical Data

**Screw-in plug and sensor tubes:**  
PVC (standard), PP, PVDF

**Process interface:**

Single electrode: G1"

2 to 4 electrodes: G2"

5 electrodes: DN80 PN10 flange

**Sensor material:** Glass-carbon,  
chemically resistant to all liquids

**Terminal housing:**

PBT

Protection (EN 60529)

IP 65

**Ambient and storage temperatures:**

| PVC         | PP          | PVDF          |
|-------------|-------------|---------------|
| 0 to +60° C | 0 to +60° C | -20 to +60° C |

**Medium temperature:**

| PVC         | PP          | PVDF           |
|-------------|-------------|----------------|
| 0 to +60° C | 0 to +80° C | -20 to +140° C |

(Depends upon chemical resistance of utilised materials.  
See resistance tables provided by plastics manufacturers,  
or ask us.)

**Max. operating pressure:** 2 bar

**Min. length, L1 ... L2:** 80 mm

**Max. length, L1 ... L5:** 2000 mm

**Installation:** From top or side, max. inclination: 45°,  
**do not install horizontally!**

### Maintenance

The device is maintenance-free if used for its intended purpose.

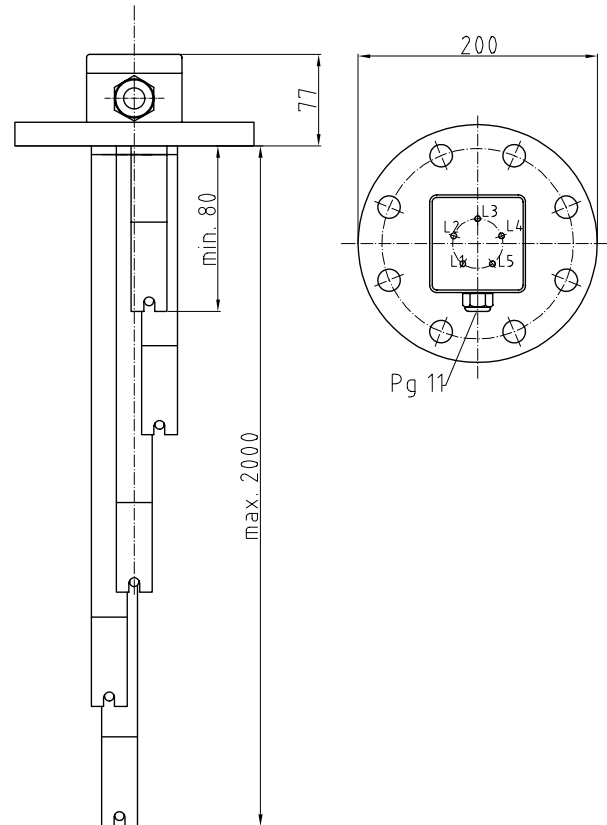
### Safety Precautions

- Installation, initial start-up and maintenance may only be performed by trained personnel! All applicable European and national regulations regarding installation of electrical equipment must be adhered to.
- The device may only be operated under the conditions specified in the operating instructions!

### Functions Description

For use as a limit monitor in combination with the **ES1S Electrode Controller** (see operating instructions no. SU0070) for aggressive, electrically conductive liquids. The sensors are made of glass carbon, which is resistant to almost all liquids.

Note: Conductive limit monitors are not suitable for liquids which contain oil or fat, or in which electrically conductive or insulating deposits may be formed.



STS-F...



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