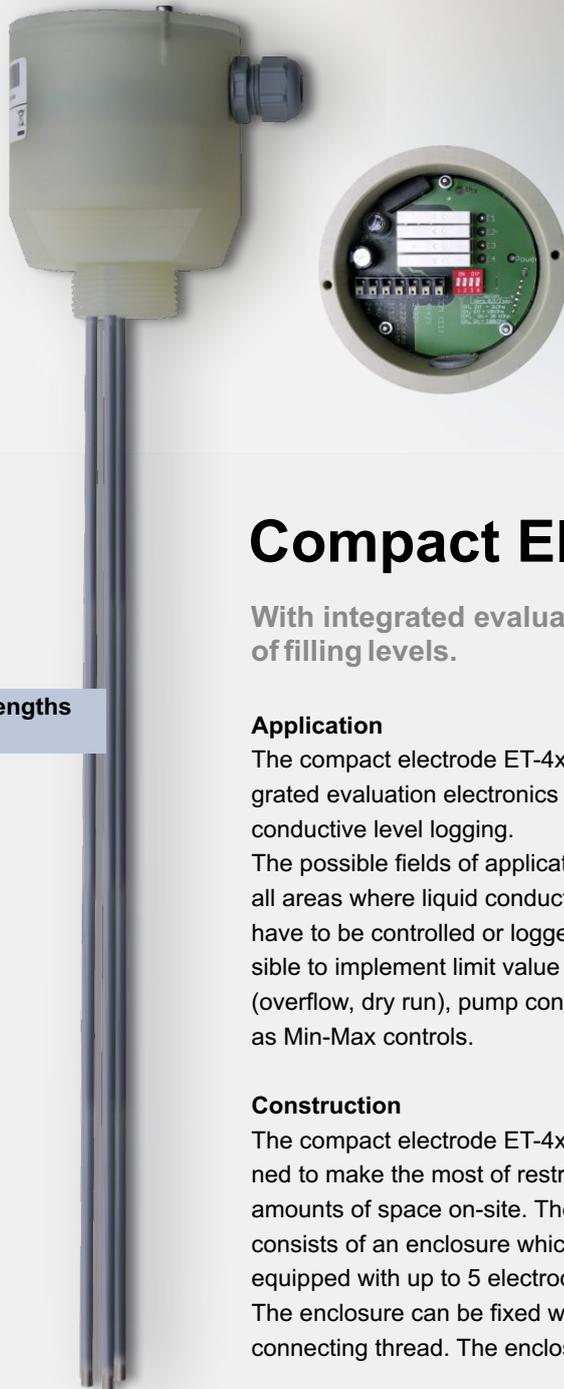




- Compact construction, with integrated evaluation electronics
- 24 V DC power supply
- Adjustable sensitivity
- Adjustable switching delay
- Potential-free output as N.C.



Various lengths available

## Compact Electrode ET-4xx

With integrated evaluation electronic for control and detection of filling levels.

### Application

The compact electrode ET-4xx with integrated evaluation electronics is used for conductive level logging.

The possible fields of application cover all areas where liquid conductive media have to be controlled or logged. It is possible to implement limit value messages (overflow, dry run), pump control as well as Min-Max controls.

### Construction

The compact electrode ET-4xx is designed to make the most of restricted amounts of space on-site. The electrode consists of an enclosure which can be equipped with up to 5 electrode rods.

The enclosure can be fixed with a G1¼" connecting thread. The enclosure-

integrated evaluation electronics are equipped with 1 to 4 output relays depending on the type of unit.

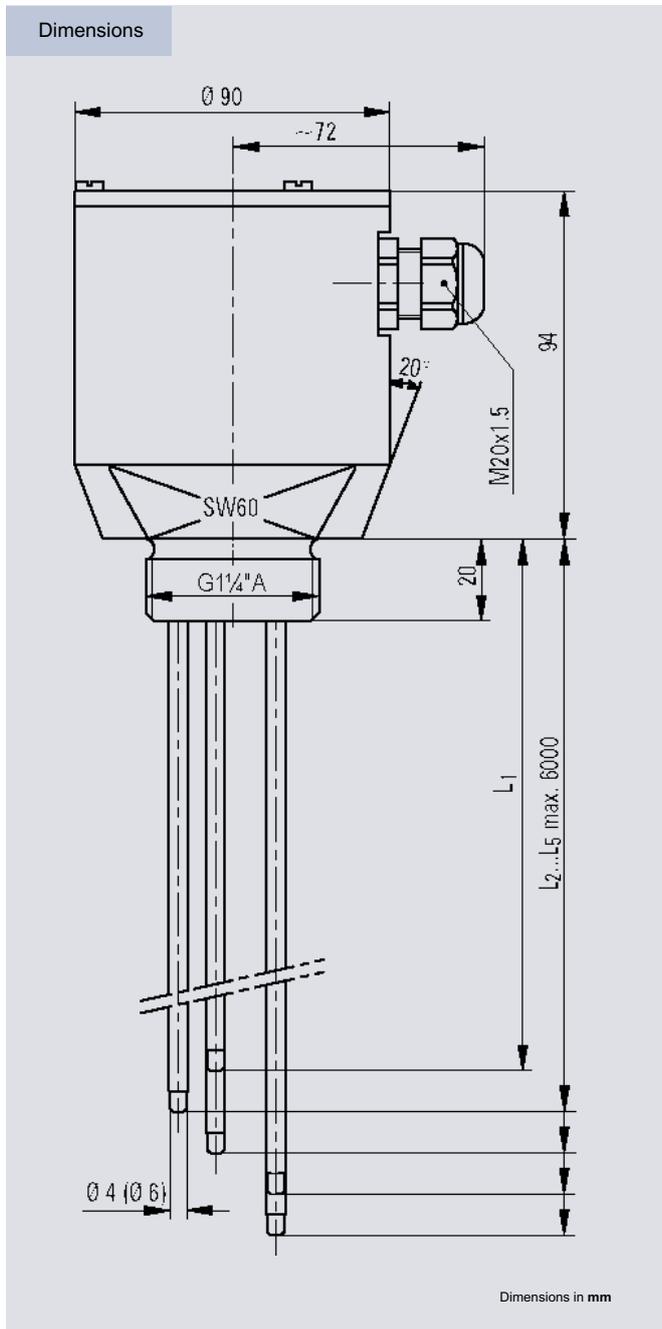
### Function

A low alternating current is generated when the electrodes connected to the inputs are immersed into a conductive liquid. This current will be evaluated by the switching amplifier. The relay will energise on exceeding a set trigger value.

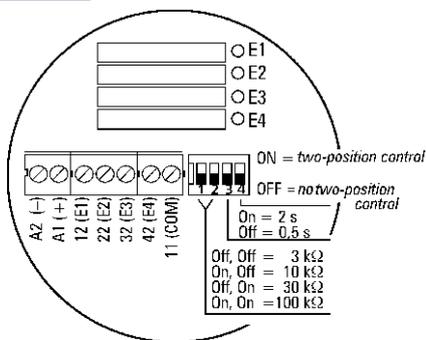
Sensitivity, switching delay and two-position pump control functions can be selected directly on the unit using DIP-switches.

# Specifications

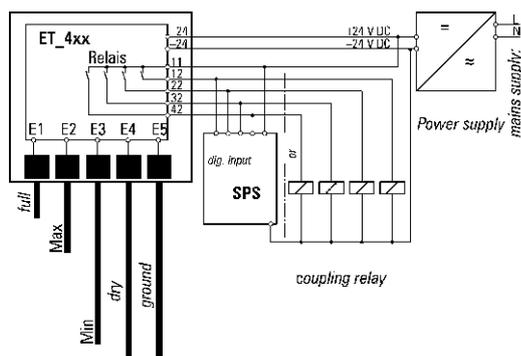
ET-4xx	
Electrodes	2 to 5
Relays	1 to 4 (1 relay per limit value, normally closed)
Power supply	24 V DC ±15 %
Connecting thread	G1¼"
Rod diameter	4 mm (6 mm)
Rod length	Standard 1 m, max. 6 m
Material	<ul style="list-style-type: none"> <li>screw connection and head: PPH (Polypropylene)</li> <li>rod: stainless steel (1.4571) coating: Polyamide</li> </ul>
Protection EN602529	IP65
Operating temperature	-20 °C to +85 °C
Storage temperature	-30 °C to +85 °C
Pressure	10 bar
Power consumption	2 W
Switching current	max. 3 A, min. 1 mA
Switching capacity	max. 500 VA, 150 W
Sensitivity	Selectable in four steps: 3 kOhm, 10 kOhm, 30 kOhm, 100 kOhm
Switching delay	0.5 or 2 sec.



## Connection example



## Connection example



You can find more information in the instruction manual or on [www.nivus.com](http://www.nivus.com)