



The conductivity sensor LTC0,35/23 with incorporated temperature probe combines enhanced 4-electrode technology with rugged design in a 12 mm plastic body. The LTC0,35/23 features extremely wide measuring range, low maintenance and easy cleaning, ideal for universal application (water and waste water technology) in on-line monitoring as well as in connection with pocket and field instrumentation. In comparison with conventional measuring cells with 2-electrodes, the LTC0,35/23 offers a lot of technical advantages:

- exceptional linearity due to 4-electrode design in a extremely wide measuring range especially for high conductivities
- elimination of contaminations and polarization effects
- long-term stable cell constant due to abrasion-resistant concentric graphite electrodes
- integrated temperature sensor for automatic temperature compensation with extremely short response time

In addition to the version with Variopin plug head system and separated cable connection, models with fixed cable are available.

Sensor shaft	plastic (black), Ø 12 mm
Immersion length	120 mm
Electrode material	special graphite sealed in epoxy
Temperature range	-5...80 °C
Temperature probe	Pt1000 for automatic temperature compensation and temperature measurement
Measuring range	1 µS/cm...500 mS/cm (dependent from frequency and measuring voltage)
Cell constant	0.33 cm ⁻¹ ± 5 %
Minimum immersion depth	20 mm
Pressure	< 6 bar
Storage	within the protective cap filled with distilled water
Electrical connection	<ul style="list-style-type: none"> ▪ Variopin plug head with thread PG 13.5 ▪ fixed cable
Process connection	<ul style="list-style-type: none"> ▪ with the relevant configuration thread PG 13.5 at sensor head for direct mounting in housings

- Electrical connections of the sensor:
 - LTC0,35/23VP: Variopin plug head with thread PG 13.5; separate connection cable is required
 - LTC0,35/23-K050-F-P: 5 m fixed cable, stripped ends, thread PG 13.5
 - LTC0,35/23...: standard model LTC0,35/23 (plug head; cable length [1 m, 2 m, 5 m, 10 m], special cable length, plug, thread PG 13.5 are available)
 - LTC0,35/23 (OEM): customer specially designed models (sensor length, OEM logo, ...)
- Accompanying plug head cable connections:
 - KVP-LF4/3: coaxial cable, length 3 m with Variopin socket, without meter plug