



The conductivity sensor LTC1/22 combines enhanced 2-electrode technology with rugged design in a 12 mm plastic body and an incorporated temperature probe is integrated. The LTC1/22 features 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 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	Pt100 for automatic temperature compensation and temperature measurement
Measuring range	1 µS/cm...100 mS/cm (dependent from frequency and measuring voltage)
Cell constant	1 cm ⁻¹ ± 20 %
Minimum immersion depth	15 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:
 - LTC1/22VP: Variopin plug head with thread PG 13.5; separate connection cable is required
 - LTC1/22-K050-F-P: 5 m fixed cable, stripped ends, thread PG 13.5
 - LTC1/22...: standard model LTC1/22 (plug head; cable length [1 m, 2 m, 5 m, 10 m], special cable length, plug, thread PG 13.5 are available)
 - LTC1/22 (OEM): customer specially designed models (sensor length, OEM logo, ...)
- Accompanying plug head cable connections:
 - KVP/3: coaxial cable, length 3 m with Variopin socket, without meter plug