Type SLI

modular @ analyse

Modular conductivity measuring unit

Advanced features

- Measuring system for condictivity measurement in processes
- Small compact construction
- Installation in pipings ex nominal width DN 40
- Effective range free configurable, reversible
- Device complety of high-grade steel
- LCD display for conductivity, temperature and handling
- Extremely fast response time
- FDA, EHEDG-conform

Examples of modular process connecitons

Varivent Triclamp Milchrohr

More in our datasheet process termination technique

modular @ process

Technical features

- Analogue Output for conductivity and temperature per 4...20 mA
- Temperature operating range:
  Medium (permanent): -20 °C to 130 °C
  Medium (max. (1 h) up to 140 °C
- Optional extension for retrograde mounting position
- Temperature compensation adjustable for every effective range
- 4 effective ranges externly reversible

Accessories

Altitude Compensation-Element
(High-Grade-Steel)
DAE-E

Building and mode of action:

The SLI is a very compact measuring system for the inductive conductivity measurement

Because of the combination from high-grade steel and peek the sensor ist very robust!

It is deliverable in following mechanical versionsr:

- **Standard:** modular, aseptic G1" process connection with polymerfree sealing system

- **Option:** sensor extension for retrograde mounting position

Favoured fields of application are e.g.:

- Food technologie
- Chemie + Pharmazy
- Medical technology
- Enviromental technology

  - Media + phase segregation, concentration adjustment

  - Intensification of CIP-equipment

  - Monitoring of the product quality

  - Detection of produktion remnants in the cleaning return

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Technical data

Prozess connection
- Thread spout G1"; V4A 1.4571
- Option sensor extension (47mm)

Material of the sensor
PEEK / high-grade steel
V4A 1.4571

Safety class
IP 67

Working pressure
10 bar

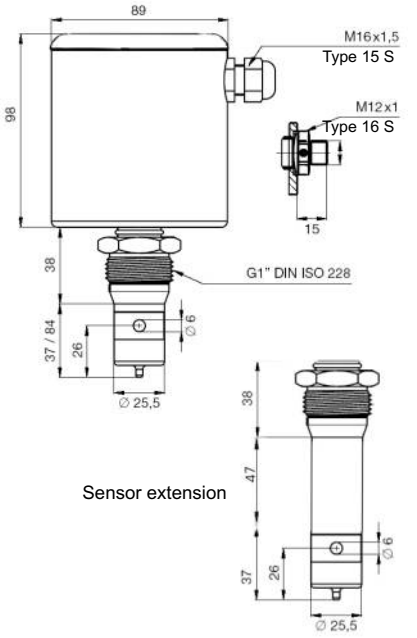
Output signal
Output conductivity: 4...20 mA / 18...36 VDC; 180 mA max
temperature: 4...20 mA / 18...36 VDC; 180 mA max

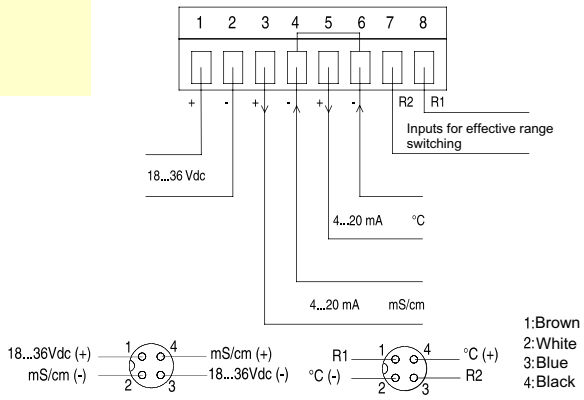
Conductivity output
Accuracy ≤ ± 1,0 % vom Messbereichsendwert
Adm. burden per Output 500 Ohm max.
14 effective ranges free selectable from 500 µS to 1000 mS/cm; -20...150°C,therefrom are 4 externely controllable per BCD-Code
Response time: < 3 s
Temperature compensation 0...5% FS/ 1 °K, adjustable

Electrical connections
- Cable gland M16
- Plug M12

Temperature fault
Temperaturedrift ≤ ± 0,2 °C (0...50°C);
≤ ± 0,5 °C (-20...+150°C); T90 ≤ 5s

Temperature operating range
Duration process temperature .:-20...130 °C
Process temperature max. (1 h) 140 °C
Ambient temperature -10... 80 °C

Dimension drawing


Connection drawing


Order Code SLI - □□ - □

Type	
Cable gland M16	15
Plug M12	16
Version	
Standard	S
Sensorextension (47 mm)	V

Stand 08/2005