

## Smartline Conductivity Monitor 2900

The Smartline Conductivity Monitor 2900 is a high precision on-line monitor for the measurement of pH and conductivity in liquid chromatography.

It features:

- contactless conductivity measurement
- fast response
- high accuracy and reproducibility, low noise
- accurate and reliable monitoring through self-test and self-calibration
- Flow cells can be connected close together, minimizing band broadening and time delay between detectors

The Smartline Conductivity Monitor 2900 integrates seamlessly into the Bioline Protein Purification LC system.



### Technical data

<b>Detector type</b>	contactless conductivity
<b>Conductivity</b>	measurement range: 1 $\mu$ S/cm – 500 mS/cm accuracy: <2% full scale or $\pm 5$ $\mu$ S/cm whichever is greater in the range 1 $\mu$ S/cm – 300 mS/cm precision/repeatability: <1% full scale or $\pm 2$ $\mu$ S/cm whichever is greater short and long term noise: max. $\pm 0.02$ % of full scale calibrated range
<b>Temperature sensor</b>	accuracy: $\pm 1.0$ °C; Drift: $\pm 0.3$ °C per 10 h
<b>pH</b>	measurement range: 0 – 14 (specifications valid between 2 and 12) $\pm 0.2$ pH within +15 to +25 °C $\pm 0.5$ pH within +4 to +15 °C and +25 to +40 °C all data valid in the flow rate range of 0 - 10 ml/min with aqueous eluents and buffers.
<b>Autozero</b>	automatic
<b>Supported electrodes</b>	conductivity: automatic recognition pH: all pH electrodes with BNC connector (compatible) and available flow cell
<b>Environmental specs.</b>	operating temperature: 15 to 35°C relative humidity: 45 to 85%
<b>Analog output</b>	0 to 1000 mV (1V integrator output) noise (0..10 Hz) < 1 $\mu$ V p-p
<b>Digital output</b>	RS-232 (RxD, TxD, GND) 57600 Baud
<b>Data rate</b>	approx. 5 Hz
<b>Control</b>	software ChromGate® or keypad
<b>GLP</b>	electronic Serial No.
<b>Display</b>	2 x 24 digit Smartline display
<b>Power supply</b>	115 +/-15% or 230 +/-10% VAC, 50/60Hz, max. 30 VA
<b>Dimensions</b>	226 x 135 x 410 mm (W x H x D)
<b>Weight</b>	approx. 5 kg

### Ordering Information

Order No.	Description
A70090	Smartline Conductivity Monitor 2900 for biochromatography, including conductivity flow cell