Valmet Conductivity Measurement

3100

Measurements for demanding applications

The Valmet Conductivity instruments measure high and low conductivity using the 4-electrode principle. Designed for conductivity control in industries such as pulp, power, pharmaceutical, food, brewery, sugar and chemical.

Four individually selectable set-up modes are available, two for very low conductivity and two for normal/high conductivity.

- No maintenance
- Long life
- 4-electrode measuring principle
- 13 preprogrammed temperature compensations
- Wide sensor-assortment for all applications
- Low installation costs
- Wide selection of process mounting accessories

The Valmet Conductivity instruments are designed for very high precision and for a long and maintenance-free life.

• Rugged • Accurate • Reliable

Specifications

Low conductivity set-up:
Range 0 µS/cm to 2 S/cm (0 µS/m to 200 S/m).
Temperature compensation: O", ultrapure water
(neutral, acid, alkaline, ammonia), STD salt.
High conductivity set-up:
Range 20 µS/cm to 2 S/cm (2 mS/m to 200 S/m)
Temperature compensation: O" , STD salt, weak lye,
weak acids
Output: Two current outputs 4–20 mA for
conductivity or temperature.
Temperature measurement: From –40 to +250 °C
Display: LCD
Sensor connection: Series 4000 sensors with 11-pole
strip connector and MF20 cable adaptor
Local or remote measuring range selection:
Two low and two high conductivity set-up modes
Control voltage: 12–30 V DC
HART® communication as a standard

Enclosure

Material: Cast aluminium, PE coated
Protection: IP67
Dimensions: 144 x 144 x 107 mm
Mounting: Panel, wall or pipe
Ambient temp.: From -10 to +60 °C
Storage temp.: From –20 to +70 °C
Weight: 2.3 kg

Wall mounting	Type 3107H	Type 3117H
Panel mounting	Type 3108H	Type 3118H
Power supply	Loop powered 18–30 V DC on mA1	Line powered 85–265 V AC, 6 VA
Alarm	No alarm	Two relays 250 V AC, 8 A
Display	Non-illuminated	Illuminated

Sensors for serie 3100

Series 4200 Industrial applications
Series 4100 Sanitary applications

Dimensions in mm
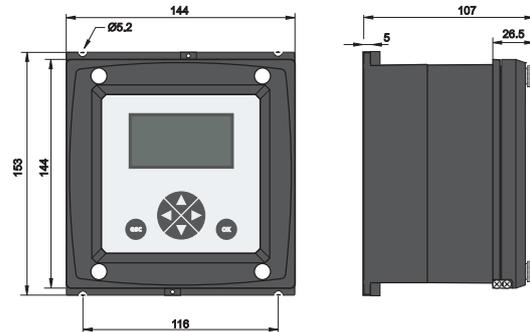
Mounting options

Wall
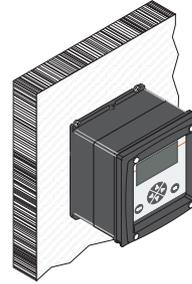
Panel

Pipe
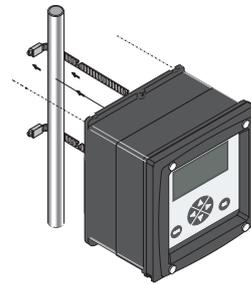
Pipe mounting kits

Type No.		For pipe dimension
4902	a	25-38 mm
	b	35-52 mm
	c	50-73 mm
	d	72-94 mm
	e	82-114 mm

For more information, contact your local Valmet office. www.valmet.com

Specifications in this document are subject to change without notice.
Product names in this publication are all trademarks of Valmet Corporation.

Valmet