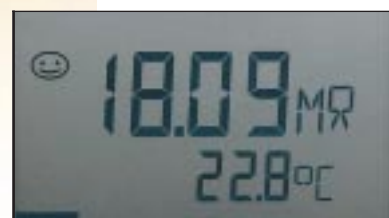


The compact transmitter for conductivity measurement.



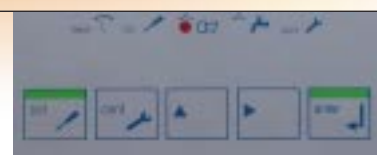
This particularly versatile but nevertheless highly cost-effective transmitter provides you with the means of maintaining superior measuring standards and of reinforcing confidence in your process management. A modern pictographic display facilitates operation of the instrument functions and monitoring of the measurement data.

- 0/4 ... 20 mA current output
- 4 switching contacts
- easy calibration
- continuous monitoring of sensor through SensoCheck®
- automatic instrument self-test
- simple operation with the help of pictographs
- wall, pipe or panel mounting
- USP 23 set points



Large and clear LCD display

Simultaneous showing of conductivity/resistivity/salinity and temperature. Selectable 2-electrode or 4-electrode sensor measurements.

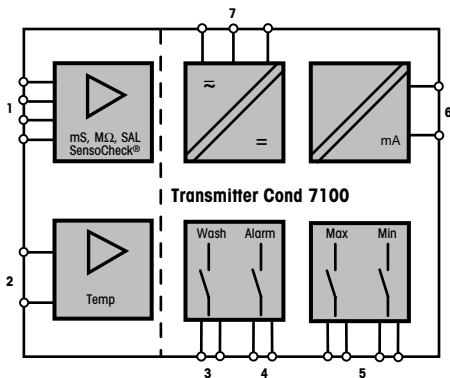


Pictographs visually assist instrument operations and also indicate parameter or system irregularities. Status indications inform about the actual operation mode.

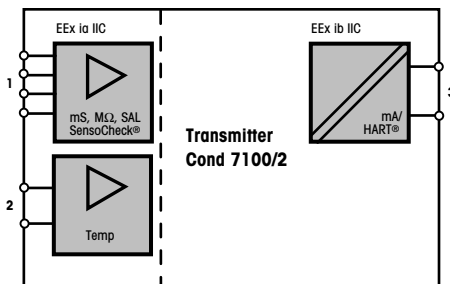
METTLER TOLEDO

Simply cost-effective.

Conductivity Transmitter Cond 7100



- 1 input for 2-/4-electrode sensor
- 2 input for temperature sensor
- 3 wash contact
- 4 alarm contact (closed contact)
- 5 limit value contacts
- 6 current output 0/4 ... 20 mA with choice of conductivity, resistivity or salinity
- 7 universal AC/DC power supply (20 ... 253 V)



- 1 input for 2-/4-electrode sensor
- 2 input for temperature sensor
- 3 loop current 4 ... 20 mA, with choice of conductivity, resistivity or salinity (HART®-communication via HART® terminal)

All advantages in brief

- extreme wide measuring range with 2-electrode sensors
- simultaneous display of conductivity/resistivity/salinity and temperature
- status indication of actual operation mode
- USP 23 set points for monitoring pharmaceutical grade water
- 4 switching contacts, floating
 - 1 wash contact
 - 1 alarm contact
 - 2 limit contacts
- SensoCheck® for permanent monitoring of polarization and cable capacitance
- large, easy to read LCD display
- visual LED alarm signal
- 22 mA alarm, selectable
- integrated current sensor for checking of peripheral equipment
- rugged, heavy-duty plastic case
- wall, pipe, or panel mounting
- simple installation by plug-in terminals and detachable front panel
- universal AC/DC power supply 20...253 V
- direct entry of cell constant or calibration using a standard solution
- 2-wire instrument: Power supply to the instrument and output of measured values through galvanically isolated loop current 4 ... 20 mA. Alarm at 22 mA.
- 2-wire instrument: HART®-communication available

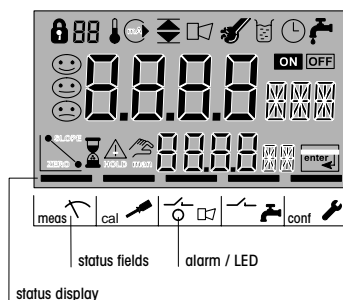
Warranty

Defective instruments, returned to us carriage paid within 3 years from original date of delivery, will be repaired free of charge in our factory. Validity for accessories: 1 year

HART® is a registered Trade Mark of the HART®-Foundation.

Simply universal.

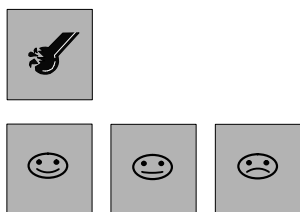
Simple operation



Pictographs explain the functions and also signal irregularities in operating conditions. Status symbols provide information about the momentary mode of operation. The measurement

values are displayed in well-arranged, large LCD characters. Alarm signals cannot be missed even in poor light conditions, due to a flashing LED.

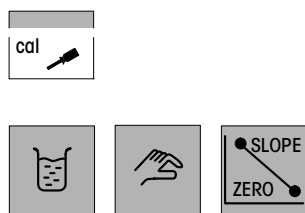
Sensor and transmitter diagnostics



SensoCheck® continuously monitors polarization and cable capacitance effects and allows an early detection of sensor contamination. An automatic instrument self-test runs in the background at fixed intervals and checks the memory and the data

transmission. With GainCheck®, the instrument can be manually tested. Any sensor or instrument defect is shown on the display and releases an alarm. The highest degree of operational safety is ensured.

Simple calibration of the sensors



To operate a sensor, the cell constant can be entered directly into the meter. For calibration, the cell constant can also be manually verified with a standard solution. All sensors from

METTLER TOLEDO have a pre-measured cell constant printed on the sensor label. Manual entries can be followed directly on the display.

Universal use in a wide range of applications

METTLER TOLEDO Conductivity measuring systems are designed to meet the most rigid demands on accuracy and reliability. They play an important role in determining the concentration of dissolved ionic salts or total amount of dissolved solids

(TDS) in aqueous media. Our professional, cost-effective systems are highly valued by industrial users around the world wherever the requirements on water quality are an issue. Their outstanding versatility and ease of operation make them

an inseparable partner in such diverse fields of application as **pharmaceuticals manufacture, food and beverage processing**, as well as **effluent treatment**.

Simply complete.

Ordering information

4-wire instrument	Designation	Order-No.
Transmitter Cond 7100	Cond 7100	52 120 901
2-wire instruments (non-Ex)*		
Transmitter Cond 7100/2*	Cond 7100/2	52 120 902
Transmitter Cond 7100/2 with HART®*	Cond 7100/2H	52 120 903
2-wire instruments (Ex)*		
Transmitter Cond 7100/2X*	Cond 7100/2X	52 120 904
Transmitter Cond 7100/2X with HART®*	Cond 7100/2XH	52 120 905

*available 4. quarter 1999

Installation accessories

Designation		Order-No.
Bracket kit	ZU 0274	52 120 741
Panel-mount kit	ZU 0275	52 120 740
Protective hood	ZU 0276	52 120 739

Further accessories

Designation		Order-No.
Power supply/isolator for 24 V AC/DC supply	WG 20 A2	52 120 688
Repeater power supply for 90 to 253 VAC	WG 21 A7	52 120 671
Option 24 V AC/DC	WG 21 A7/336	52 120 772
Option HART®	WG 21 A7/470	52 120 704

2-electrode sensors

Designation	Order-No.
InPro® 7000	52 000 230
InPro® 7001/120	52 000 231
InPro® 7001/225	52 000 232
InPro® 7002	52 000 233
InPro® 7003	52 000 234

4-electrode sensors

Designation	Order-No.
InPro® 7100	52 000 235
InPro® 7100-25	52 000 791
InPro® 7104	52 000 236
InPro® 7104-25	52 000 793

The METTLER TOLEDO product range includes conductivity sensors, housings and transmitters to constitute a uniform and complete conductivity measuring system.

Sales and service:

METTLER TOLEDO: Competent support for successful Quality Management

Over 40 years of experience based on the INGOLD tradition. International leading supplier of measuring systems for biotechnology and chemical process applications, the food & beverage industry and water & wastewater treatment. Reliable and precise monitoring of pH/ORP, dissolved oxygen and conductivity through high quality, advanced instrumentation in conjunction with the appropriate sensors and housings from METTLER TOLEDO.



Management System
certified according to
ISO 9001 / ISO 14001



INTERNET

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