

Insatech Insacal® mk. II

Insacal mk. II is used for in-line or in-beaker low conductivity calibration.

- Calibrated by our DANAK accredited laboratory with traceability to DFM Standard Reference Material.
- Simultaneously shows compensated and uncompensated conductivity values, as well as temperature readings.
- Lightweight and portable for use in the field or laboratory.
- Robust construction ensures long-term stability and accuracy.
- Calibrations can be performed at-line, in a beaker or using a calibration tank.
- Made to ensure the 4:1 Test Accuracy Ratio (TAR) stated in USP645 when calibrating WFI conductivity sensors.



	Insatech Insacal® mk. II
Linearization of temperature measurement	✓
Built-in electric calibration feature	✓
4:1 TAR at 100 µS (USP645)	✓
Touch screen HMI	✓
Interface language	English
Electrode	Hamilton
Sensor cable length	2 or 5 metres
Standard flow fitting	Mini-clamps
Conductivity range	0.055 to 1000 µS/cm @ 25 °C
Cell constant determined	Standard solution at 100 µS/cm and comparison calibration at UPW and 10 µS/cm
Cell constant calibrated to (accredited)	0.34%
Temperature range	Calibrated range: 0 to 50 °C (± 0.20 °C) 50 to 90 °C (± 0.40 °C) Customer-specified range from 0 to 90 °C determined by 2 to 5 points
Base model order number – with 5 m cable	INSACALMKII-ST-AN-DA-RD-5-FF



Accessories

FT-unit

Measures flow and temperature to give you an indication of whether the flow is high enough to maintain the temperature from the process line to the Insacal or not.

Additional calibrations

Additional calibrations can be performed if further knowledge of e.g. the linearity of the sensors cell-constant is needed.

Tubes

Specially tested and verified tubes to ensure they do not contribute the solutions conductivity.

Transportation and storage case

Keep your Insacal safe during transport and storage.

Decade box

Decade box for on-site transmitter check.

Fixed calibration resistors

Resistors used with the Insacal mk II to check the setup on-site

T9 Calibration Tank

Tank with build in circulation pump for easy and effective conductivity calibrations.

T9 Resin Bed

Enables you to easily do calibrations at the Ultra-Pure Water conductivity range.

T9 fittings

Fittings can be crafted to your needs, for example to fit a sensor with longer shaft or for a broader variety of process connections.



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