

Calibration Adapter for Inductive Conductivity Measurement Type 202711/21



B 202566.0.1 Calibration Instructions



1 Notes



These B 202566.0.1 calibration instructions must be used to coordinate the JUMO AQUIS 500 Ci transmitter and the inductive conductivity sensor!

The calibration instructions are included with the type 202711/21 calibration adapter option.

Needed for the adaptation are:

- the JUMO AQUIS 500 Ci transmitter/controller, data sheet 202566
- an inductive conductivity and temperature sensor, data sheet 202941, 202942 or 202943
- a type 202711/21 calibration adapter for inductive conductivity measurement, data sheet 202711



All the necessary settings are described in these calibration instructions. If any difficulties should nevertheless arise during calibration, please do not tamper with the instrument in any way. By doing so, you could endanger your rights under the instrument warranty! Please contact your supplier.

2 Calibration

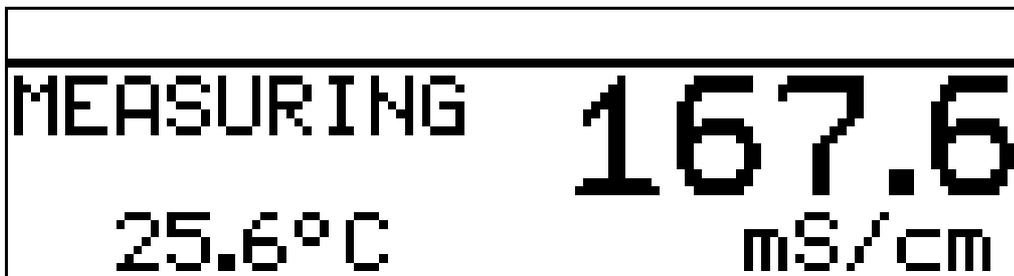


The calibration process can be canceled at any time by pressing the  key.

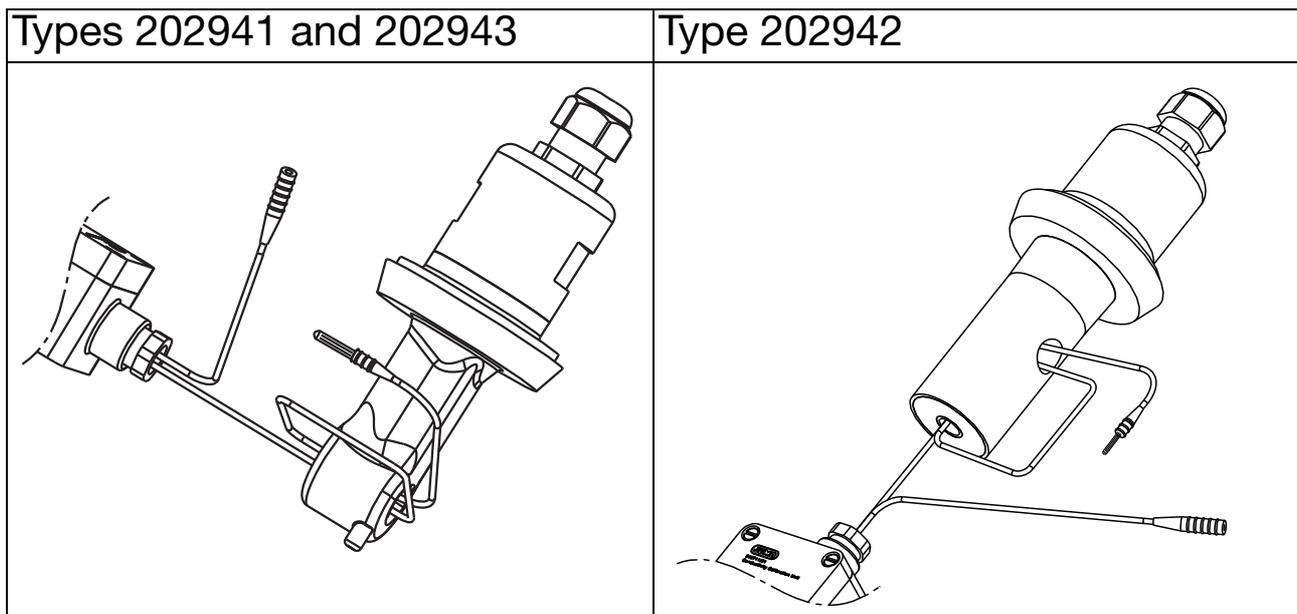
But then the transmitter will work with the old values.

2.1 Requirement

- The inductive conductivity sensor must be connected to the JUMO AQUIS 500 Ci transmitter, see the "Installation" section in the operating instructions for the transmitter concerned.
- The transmitter must be supplied with voltage, see the "Installation" section in the relevant manual.
- The transmitter is in "measuring mode".



- * Draw the long cable of the calibration adapter twice through the opening in the inductive conductivity sensor. Do **not** insert the plug in the socket - the cable loop stays open.





From this point on, until the end of the calibration, the sensitive part of the inductive conductivity sensor must not rest on any surface or be touched. This would falsify the measurement value.

- * Press the  key for longer than 3 seconds.
- * Use the  or  keys to select "ADMINISTR. LEVEL"; confirm your choice with  .

```
OPERATOR LEVEL > |
ADMINISTR. LEVEL > |
CALIB. LEVEL > |
CALIB. LOGBOOK > |
```

- * Use the  or  keys to set password 3000; confirm the selection with  .

```
ADMINISTR. LEVEL
PASSWORD
3000
```

The calibration program prompts you to enter the cell constant.
The cell constant is to be found on the nameplate of the inductive conductivity sensor.

```
CALIB CI-SENSOR
CELL CONSTANT
5.15
```

- * Press the  key

The calibration program prompts you to take the first calibration step.



CALIB CI-SENSOR
RESISTOR open
PUSH PGM TO START

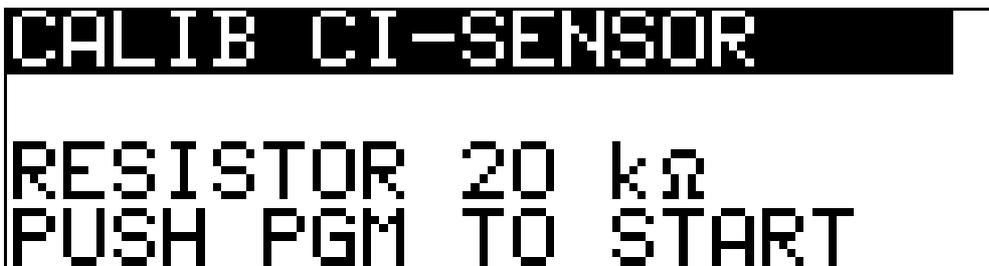
* Press the  key

The transmitter now calibrates the zero point. This takes about 4 seconds (a countdown runs on the display).



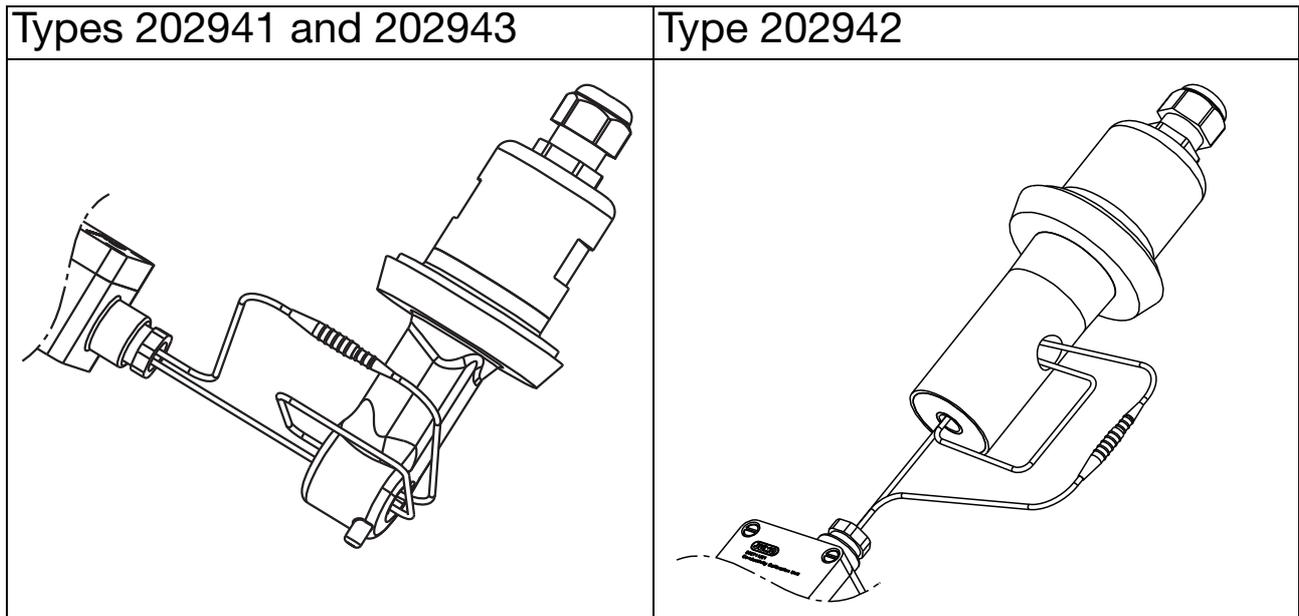
CALIB CI-SENSOR
PLEASE WAIT ...
3 SEC.

The calibration program prompts you to take the second calibration step.



CALIB CI-SENSOR
RESISTOR 20 kΩ
PUSH PGM TO START

- * Insert the conductor loop plug in the socket - the conductor loop is now closed.



- * Turn the rotary switch of the calibration adapter to the position required by the transmitter.
- * Press the key; this performs the second calibration step.

Once a further four steps have been taken, calibration is complete.



- * Briefly press the key - the calibration values are adopted and the process is complete.

The transmitter returns to measuring mode.

* Remove the calibration adapter cable loop.



If the transmitter shows "overrange", remove the calibration adapter cable loop.

If an error occurs during calibration, a relevant message is displayed.



The calibration process must be terminated by pressing the  key.

The old calibration data (from before the calibration attempt) is retained and will continue to be used.



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