

Industrial measuring cell

Important!

Follow the instructions below carefully. Correct trimming is essential for optimal performance of the cell.

Mounting instructions for the industrial measuring cell (Code No. 19-4164-01)

Tools needed: 5 mm allen key.

Dismounting

1. Unscrew the four allen screws (J) and remove the black cover (B), the washer (C) and O-rings (I).
2. Loosen the two allen screws (A) and carefully pull out the industrial measuring cell.

Mounting

1. Carefully insert the industrial measuring cell and fit the two O-rings (B) and the washer (C) onto the cell ends protruding from the front plate.
Note: Washer (C) on the upper end (near to SR) of the cell.
2. Place the black cover (I) with the elonged hole over the washer onto the front plate and mount the four allen screws (J) – do not tighten them.
3. Adjust the axial position of the industrial measuring cell so that its rear end is approximately 1 mm from the rear hole (K) in the cell holder.
4. Center and lock the cell with the two allen screws (A), do not tighten yet, continue to section trimming.

Mounting instruction for clamp (Code No. 19-4191-01)



Mounting



Dismounting

Trimming instruction for the industrial measuringcell (Code No. 19-4164-01)

The following procedure is required whenever the industrial measuring cell (Code No. 19-4164-01) is replaced or its position has been altered.

1. Connect a recorder to the UV-monitor, switch on both units and allow them to warm up for about 10 minutes.
2. Insert appropriate filters and the industrial flow cell
Note: Screws A and J not tightened.
3. Lay the Optical Unit on its back and fill the cell with distilled water.
4. Set the recorder range switch to 10 mV if a 280 nm filter is used and to 50 mV if a 254 nm filter is used. Adjust the recorder zero to 50% of the chart paper. (Range switch on UV-monitor in position short.)
5. Set the Zero knob on the UV-monitor to its mid position, i.e. 5 turns from either end position and the range switch to position 1.



- Set the AU-%T switch to AU and carefully adjust the axial position of the measuring cell (1) until the recorder's pen deflection is as close as possible to the 50% line of the chart paper.

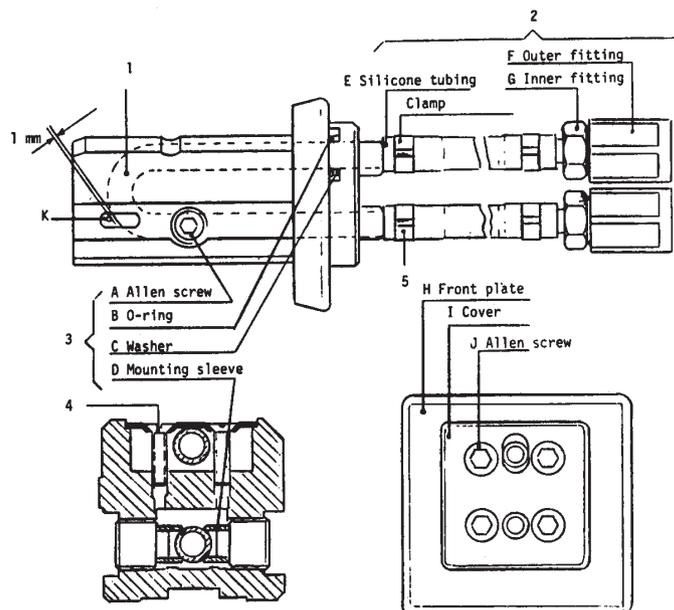
Note: Make sure the measuring cell does not cover the hole (K) in the cell holder.

- Remove the flow cell (Code No. 19-4510-02) from the Optical Unit and carefully tighten the allen screws (A) and (J).

Spare part

Industrial Flow Cell (Code No. 19-4510-02)

Pos.	Code No.	Designation	No. per pack
1	19-4164-01	Industrial measuring cell	1
2	19-4163-01	Fitting complete	1
3	19-3752-01	Industrial cell repair kit	1
4	19-5330-01	Screw	10
5	19-4191-01	Clamp	5



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