

Conductivity, Resistivity cells

BF 1200

4 wires cable 1 m



BF 1205

Connector
9054



BF 1250

- Cell constants $K = 1$ and $K = 10$
- With Pt 100 Ohm, or without
- Mounting PG 13.5
- Stem: glass tube, diameter 12 mm
- Sensor elements in platinum

APPLICATIONS

Conductivity cells BF 1200 are designed for low resistivity or high conductivity measurements with or without compensation of temperature. Used with our conductivity meters or resistivity meters BAMOPHOX 322, they assure accurate measurements on liquids up to 50 mS (20 Ohm).

DESCRIPTION

Conductivity cells BF 1200 are mounting with a PG 13.5. The stem is in glass of 120 mm long and 12 mm diameter. On site, they need to be installed with holders; different kinds of probe exist: immersion probes and on-line probes. Conductivity cells type 1200 and 1250 use a connector 9054. Conductivity cells type 1205 and 1255 are factory cable built in, with 4 wires and 1 m long.

PROBES AND HOLDERS

Conductivity cells BF 1200 and 1205

As they are similar in construction to pH electrodes, all our immersion probes and in-line holders are useful for conductivity cells BF 1200 and 1205. Special adaptations exist for conductivity cells BF 1205 due to the cable output.

Conductivity cells 1250 and 1255

Because of their construction, they can only be used with in-line specific probes. Special adaptations exist for conductivity cells BF 1255 due to the cable output.

CODE NUMBERS AND REFERENCES

Code	K	°C	Reference	Electrical connection
361 200	1	No	BF 1200	9054 Connector
361 205	1	Yes	BF 1205	4 wires cable
361 250	10	No	BF 1250	9054 Connector
361 255	10	Yes	BF 1255	4 wires cable

TECHNICAL FEATURES

Conductivity cells

Material of wetted parts	Stem (120 mm):	Glass
	Gasket:	Neoprene
	O-ring:	Nylon
	Electrodes:	Platinum
Maximal pressure:	8 bar	
Maximal temperature:	100°C	
Process connection:	Pg 13.5	
Electrical connection	1200 and 1250:	Connector typical 9054
	1205 and 1255:	1 m cable, shielded wires

Probes for conductivity cell BF 1200

Construction details are on the documentation in reference.

In-line flow through cell holder:	9222 and 9223 (see page 140-01) – 9240 (see page 140-02)
In-line cell holder, collar mounting:	9431 and 9432 (see page 141-01)
Immersion probe cell holder	9336 (see page 130-01)

In-line holders for conductivity cell BF 1205

As above, all electrical connection in a housing (cast alloy).

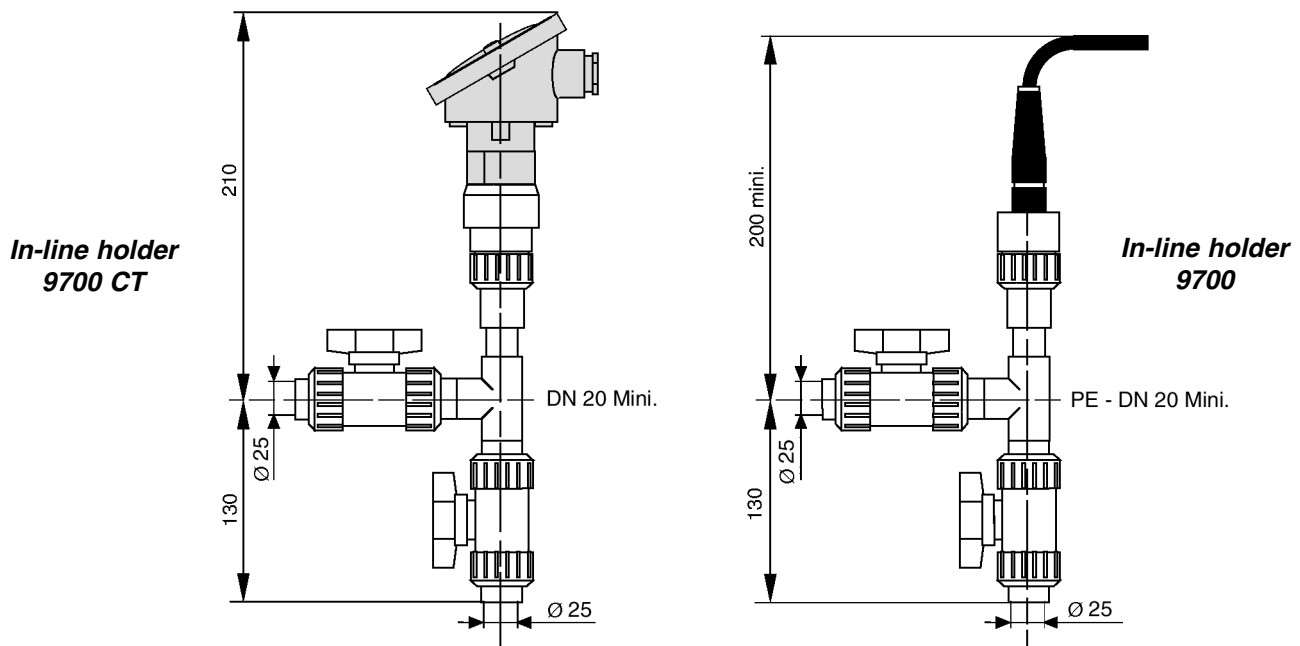
In-line holders for conductivity cell BF 1250 and BF 1255

In-line holder 9700, in line flow through cell holder; model 9700 CT for BF1255 with temperature sensor

Maximal pressures:	PVC: 8 bar
Maximal temperatures:	PVC: 50°C / PPH: 100°C
Connections:	PVC and PPH: unions Ø 25

All in-line holders should be mounted in a by-pass with stop valves (in option).

DIMENSIONS



BAMO MESURES

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