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JUMO Process Control, Inc.
 8 Technology Boulevard
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JUMO glass pH electrodes

Brief description

Glass pH electrodes are used in conjunction with reference electrodes to record the pH value. The sensor part of the glass pH electrode is made from a special, pH-sensitive membrane glass. Electrodes with special types of membrane glass are available for measuring in the different media:

- UW glass for general, aqueous media
- C glass for media containing fluorides (up to 1000 mg HF/l)
- HT glass for use at temperature ranges > 80 °C and in highly alkaline media



Type 201081/10 ...

Technical data

pH range	UW glass 0 - 12 pH (briefly pH 14) C glass 0 - 11 pH HT glass 0 - 14 pH
Temperature range	UW glass 0 - 80 °C C glass 0 - 50 °C HT glass 0 - 135 °C
Pressure range	with plug cap: unpressurized operation with Pg 13.5 screw cap: 6 bar/25 °C, 1 bar/80 °C
Terminal head	PPO
Process connection	Plug cap no thread or Pg 13.5 screw cap
Washer	PSU
Seal	FPM70
Shaft material	Glass (DIN 19263)
Fitting length	120 mm (standard) other fitting lengths on request

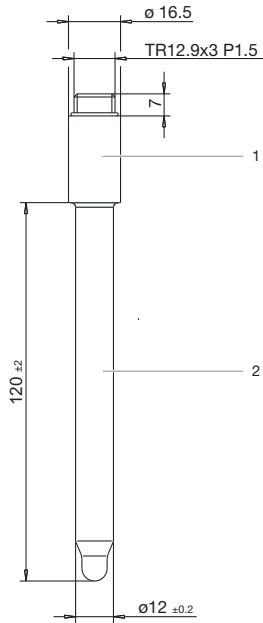
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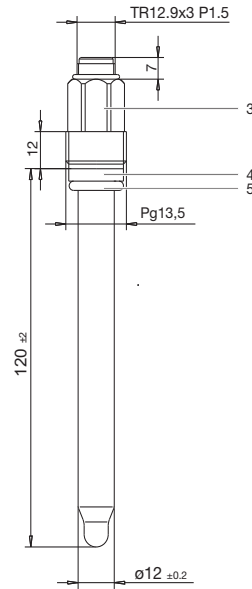
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Dimensions



Plug cap



Pg 13.5 screw cap

- 1 Plug cap no thread
- 2 Shaft material (glass DIN 19263)
- 3 Pg 13.5 screw cap
- 4 Washer (PSU)
- 5 Seal (FPM70)

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Order details

(1) Basic type

201081 JUMO glass pH electrodes

(2) Shaft material

x 89 glass

(3) Active component

o 11 C glass/pH 0 - 12/-5 to +80 °C/fluoride-resistant up to 1000 mg HF/l
 o 12 HT glass/pH 0 - 14/-5 to +130 °C/high-temperature applications
 x 18 UW glass/pH 0 - 12 (briefly 14)/-5 to +80 °C

(4) Connection

o 21 plug cap
 x 22 Pg 13.5 screw cap
 o 40 plug cap with fixed cable

(5) Length of fixed cable

x 0 Standard

(6) Instrument connector

x 00 none
 o 76 BNC connector
 o 78 DIN connector

(7) Fitting length

x 120 120 mm (standard)
 ... Other fitting lengths on request

x = as standard
 o = optional:

Order code	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Order example	201081	89	18	22	0	00	120

Note:The order code is a type designation, not a modular system. If possible, choose items listed under "stock versions" or "production versions" for your orders. We will have to technically inspect and approve a free combination of individual key features. In case of doubt, please ask.

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Stock version

(delivery 3 working days after receipt of order)

Type	Brief description	Sales no.
201081-89-18-22-0-00-120 (2G-2-U)	Glass pH electrode, UW glass, Pg 13.5 screw cap, 120 mm	00083302

Production versions

(delivery 10 working days after receipt of order)

Type	Brief description	Sales no.
201081-89-11-21-0-00-120 (2G-1-C)	Glass pH electrode, C glass, plug cap, 120 mm	00083300
201081-89-12-21-0-00-120 (2G-1-HT)	Glass pH electrode, HT glass, plug cap, 120 mm	00083301
201081-89-11-22-0-00-120 (2G-2-C)	Glass pH electrode, C glass, Pg 13.5 screw cap, 120 mm	00083303
201081-89-12-22-0-00-120 (2G-2-HT)	Glass pH electrode, HT glass, Pg 13.5 screw cap, 120 mm	00083304