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**JUMO Process Control, Inc.**

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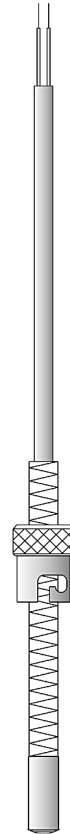
## Push-in resistance thermometers with bayonet lock

- for temperatures from -50 to +350°C
- with protection tubes in different materials
- as single or twin resistance thermometer
- good heat transfer through adjustable spring pressure
- insertion and removal without tools

Push-in resistance thermometers with bayonet lock are preferred for measuring temperatures in solids, on bearings and moulding tools, for example in the plastics industry. Thanks to the special shape of the measuring tip, these temperature probes are suitable for use in flat-bottom and cone-shaped bores.

The rugged pressure spring is made from rust and acid resistant stainless steel, Mat. Ref. 1.4310, which also acts as a cable protector and ensures a uniform pressure between the measuring tip and the bottom of the hole. The fitting length can be altered by rotating the bayonet lock. Bayonet locks are available in the diameters 12, 15 and 16mm.

The sensor is normally a Pt100 temperature sensor to EN 60 751, Class B in 2-wire circuit, but versions with Pt500 or Pt1000 are also available. 3-wire and 4-wire connections can be provided.



### Technical data

**Connection****Connecting cable****Process connection****Protection tube****Measuring insert****Accessories**

cable ends available as: bare wires, with ferrules, receptacle or multipole connector  
silicone, ambient temperature -50 to +180°C  
PTFE, ambient temperature -190 to +260°C  
metal braiding, ambient temperature -50 to +350°C  
connecting cable available with shielding (option)  
bayonet lock, nickel-plated brass, 12mm, 15mm or 16mm dia.  
stainless steel 1.4571, 6mm and 8mm dia.  
Pt100 temperature sensor, EN 60 751, Cl. B, 2-wire circuit  
bayonet sockets, Data Sheet 90.9725

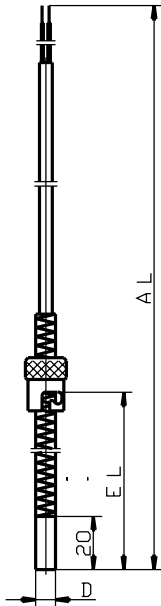
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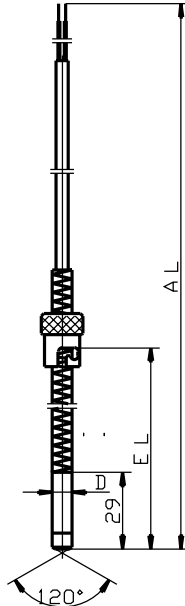
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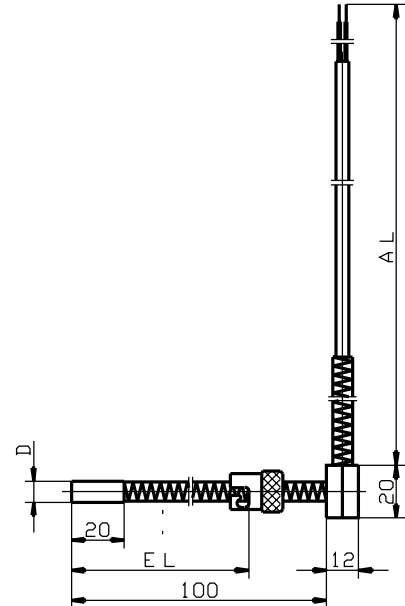
## Dimensions



Type 902190/10



Type 902190/20



Type 902190/30