JUMO GmbH & Co. KG
Delivery address: Mackenrodtstraße 14
36039 Fulda, Germany
Postal address: 36035 Fulda, Germany
Phone: +49 661 6003-0
Fax: +49 661 6003-607
E-mail: mail@jumo.net
Internet: www.jumo.net

JUMO Instrument Co. Ltd.
JUMO House
Temple Bank, Riverway
Harlow, Essex CM20 2DY, UK
Phone: +44 1279 635533
Fax: +44 1279 635262
E-mail: sales@jumo.co.uk
Internet: www.jumo.co.uk

JUMO Process Control, Inc.
6733 Myers Road
East Syracuse, NY 13057, USA
Phone: 315-437-5866
1-800-554-5866
Fax: 315-437-5860
E-mail: info.us@jumo.net
Internet: www.jumousa.com

JUMO FOODtemp

Insertion RTD temperature probe



- **For temperatures between -50 and +260 °C**
- **Steam-tight and pressure-resistant**
- **High mechanical strength**
- **For use in the food industry**
- **Available with multiple measuring points**

Due to their special construction these robust, steam-tight insertion RTD temperature probes are especially suited to cooking, boiling, and baking processes in all areas of food processing and food preservation. Further application areas are autoclaves and sterilizers.

The stainless steel probe tube is available with either a concentric or an oblique probe tip (approx. 25° or 45°).

All versions have a highly vibration-resistant design. The handles are oil-resistant and acid-proof.

A Pt100 temperature sensor according to DIN EN 60751, class B, in a 2-wire circuit or 3-wire circuit is used as standard as a measuring insert.

Technical data

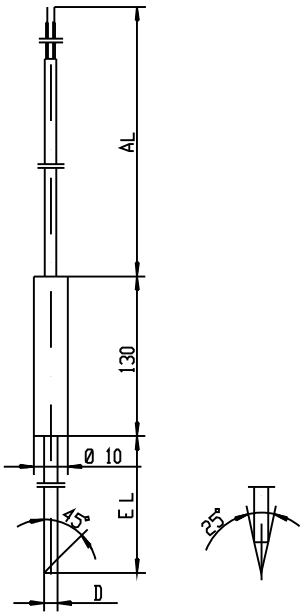
Connection	Cable ends stripped bare; alternatively available with ferrules, plug-in sleeves, or multi-pole plug connectors
Connecting cable	Silicone, ambient temperature -50 to +180 °C PTFE, ambient temperature -50 to +260 °C Shielded connecting cable optionally available
Handle	PPS plastic handle, ambient temperature max. +200 °C Silicone handle, ambient temperature max. +200 °C PTFE handle, ambient temperature max. +260 °C FPM handle, ambient temperature max. +200 °C PEEK handle, ambient temperature max. +260 °C
Protection tube	Stainless steel 1.4571, Ø 4 mm, Ø 4.5 mm
Protection tube tip	Concentric Oblique
Measuring insert	Pt100 temperature sensor, DIN EN 60751, class B, 2-wire circuit
Protection type	IP67

JUMO GmbH & Co. KG
Delivery address: Mackenrodtstraße 14
36039 Fulda, Germany
Postal address: 36035 Fulda, Germany
Phone: +49 661 6003-0
Fax: +49 661 6003-607
E-mail: mail@jumo.net
Internet: www.jumo.net

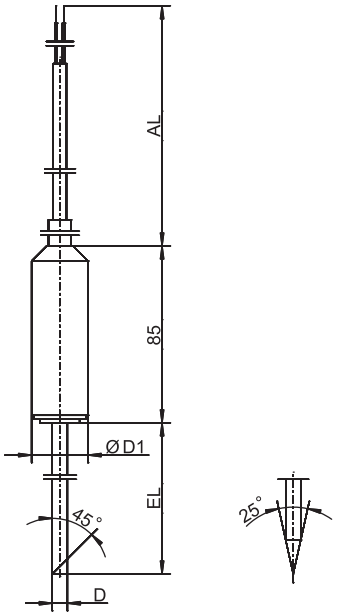
JUMO Instrument Co. Ltd.
JUMO House
Temple Bank, Riverway
Harlow, Essex CM20 2DY, UK
Phone: +44 1279 635533
Fax: +44 1279 635262
E-mail: sales@jumo.co.uk
Internet: www.jumo.co.uk

JUMO Process Control, Inc.
6733 Myers Road
East Syracuse, NY 13057, USA
Phone: 315-437-5866
1-800-554-5866
Fax: 315-437-5860
E-mail: info.us@jumo.net
Internet: www.jumousa.com

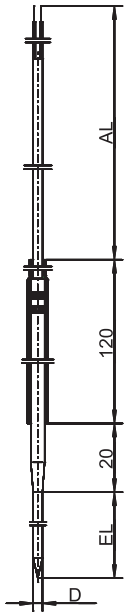
Dimensions



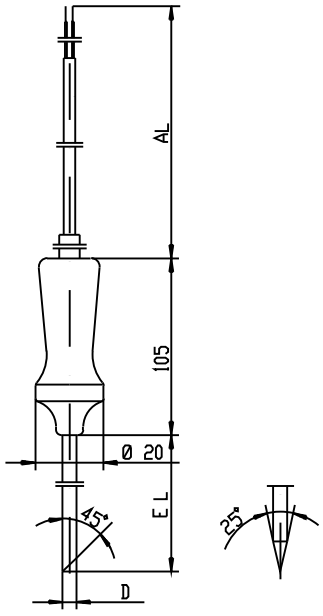
Basic type 902350/22
Basic type 902350/23



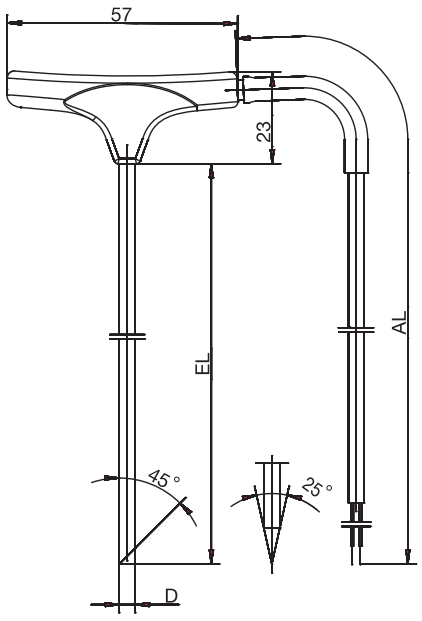
Basic type 902350/33 Ø D1 = 12 mm
Basic type 902350/63 Ø D1 = 15 mm



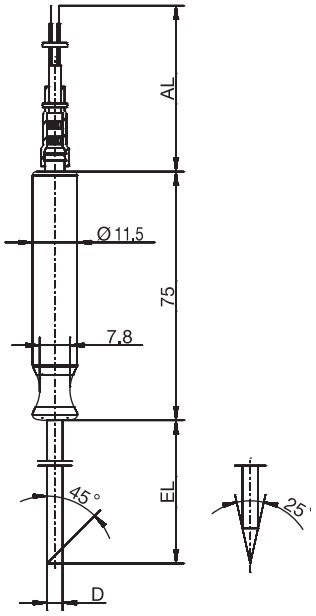
Basic type 902350/37
Basic type 902350/38



Basic type 902350/43



Basic type 902350/83



Basic type 902350/84

JUMO GmbH & Co. KG
Delivery address: Mackenrodtstraße 14
36039 Fulda, Germany
Postal address: 36035 Fulda, Germany
Phone: +49 661 6003-0
Fax: +49 661 6003-607
E-mail: mail@jumo.net
Internet: www.jumo.net

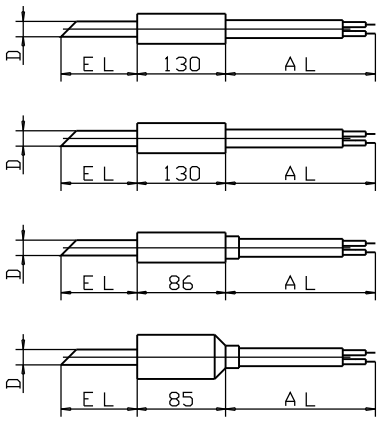
JUMO Instrument Co. Ltd.
JUMO House
Temple Bank, Riverway
Harlow, Essex CM20 2DY, UK
Phone: +44 1279 635533
Fax: +44 1279 635262
E-mail: sales@jumo.co.uk
Internet: www.jumo.co.uk

JUMO Process Control, Inc.
6733 Myers Road
East Syracuse, NY 13057, USA
Phone: 315-437-5866
1-800-554-5866
Fax: 315-437-5860
E-mail: info.us@jumo.net
Internet: www.jumousa.com

Order details: Insertion RTD temperature probe

(1) Basic type

902350/22	Insertion RTD temperature probe with silicone handle Ø 10 mm and silicone cable
902350/23	Insertion RTD temperature probe with silicone handle Ø 10 mm and PTFE cable
902350/33	Insertion RTD temperature probe with PTFE handle, Ø D1 = 12 mm and PTFE cable
902350/63	Insertion RTD temperature probe with PTFE handle, Ø D1 = 15 mm and PTFE cable



(2) Operating temperature in °C

380	-50 to +200 °C
386	-50 to +260 °C

(3) Measuring insert

1001	1× Pt100 in 3-wire circuit
1003	1× Pt100 in 2-wire circuit
1011	1× Pt100 in 4-wire circuit
2001	2× Pt100 in 3-wire circuit (not for silicone cables and protection tube diameter D = 4 mm)
2003	2× Pt100 in 2-wire circuit

(4) Tolerance class according to DIN EN 60751

1	Class B (standard)
2	Class A

(5) Protection tube diameter D in mm

4	Ø 4 mm
4.5	Ø 4.5 mm

(6) Insertion length EL in mm

100	100 mm
150	150 mm
200	200 mm

(7) Insertion tip

2	Concentric
3	Oblique

(8) Connecting cable end

11	Ferrules
80	Multi-pole plug connector (specify type in plain text)

(9) Connection cable length AL in mm (500 to 500000 mm)

4000	4000 mm (standard)
. . .	Specification in plain text (500 mm increments)

(10) Extra code

000	Without
317	Shielded connecting cable

	(1)		(2)		(3)		(4)		(5)		(6)		(7)		(8)		(9)		(10)
Order code		-		-		-		-		-		-		-		-		/	
Order example	902350/22	-	380	-	1003	-	1	-	4	-	100	-	3	-	11	-	4000	/	000

JUMO GmbH & Co. KG
Delivery address: Mackenrodtstraße 14
36039 Fulda, Germany
Postal address: 36035 Fulda, Germany
Phone: +49 661 6003-0
Fax: +49 661 6003-607
E-mail: mail@jumo.net
Internet: www.jumo.net

JUMO Instrument Co. Ltd.
JUMO House
Temple Bank, Riverway
Harlow, Essex CM20 2DY, UK
Phone: +44 1279 635533
Fax: +44 1279 635262
E-mail: sales@jumo.co.uk
Internet: www.jumo.co.uk

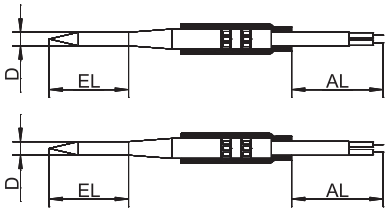
JUMO Process Control, Inc.
6733 Myers Road
East Syracuse, NY 13057, USA
Phone: 315-437-5866
1-800-554-5866
Fax: 315-437-5860
E-mail: info.us@jumo.net
Internet: www.jumousa.com

Order details: Insertion RTD temperature probe

(1) Basic type

902350/37 — Miniature insertion RTD temperature probe with FPM handle Ø 6.5 mm and silicone cable

902350/38 — Miniature insertion RTD temperature probe with FPM handle Ø 6.5 mm and shielded PTFE cable



(2) Operating temperature in °C

x	x	380	-50 to +200 °C

(3) Measuring insert

	x	1001	1× Pt100 in 3-wire circuit
x	x	1003	1× Pt100 in 2-wire circuit
	x	1011	1× Pt100 in 4-wire circuit

(4) Tolerance class according to DIN EN 60751

x	x	1	Class B (standard)
x	x	2	Class A

(5) Protection tube diameter D in mm

x	x	2.5	Ø 4 mm, stepped down to 2.5 mm

(6) Insertion length EL in mm

x	x	30	30 mm
x	x	50	50 mm
x	x	80	80 mm
x	x	100	100 mm (standard)

(7) Connecting cable end

x	x	11	Ferrules
x	x	80	Multi-pole plug connector (specify type in plain text)

(8) Connection cable length AL in mm (500 to 500000 mm)

x	x	4000	4000 mm (standard)
x	x	. . .	Specification in plain text (500 mm increments)

	(1)		(2)		(3)		(4)		(5)		(6)		(7)		(8)
Order code		-		-		-		-		-		-		-	
Order example	902350/37	-	380	-	1003	-	1	-	2.5	-	100	-	11	-	4000

JUMO GmbH & Co. KG
Delivery address: Mackenrodtstraße 14
36039 Fulda, Germany
Postal address: 36035 Fulda, Germany
Phone: +49 661 6003-0
Fax: +49 661 6003-607
E-mail: mail@jumo.net
Internet: www.jumo.net

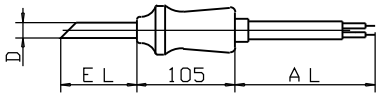
JUMO Instrument Co. Ltd.
JUMO House
Temple Bank, Riverway
Harlow, Essex CM20 2DY, UK
Phone: +44 1279 635533
Fax: +44 1279 635262
E-mail: sales@jumo.co.uk
Internet: www.jumo.co.uk

JUMO Process Control, Inc.
6733 Myers Road
East Syracuse, NY 13057, USA
Phone: 315-437-5866
1-800-554-5866
Fax: 315-437-5860
E-mail: info.us@jumo.net
Internet: www.jumousa.com

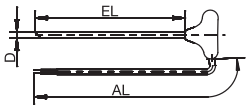
Order details: Insertion RTD temperature probe

(1) Basic type

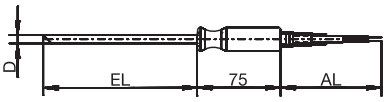
902350/43 Insertion RTD temperature probe with PPS plastic handle Ø 20 mm and PTFE cable



902350/83 Insertion RTD temperature probe with PEEK handle and PTFE cable



902350/84 Insertion RTD temperature probe with PEEK handle and PTFE cable



			(2)	**Operating temperature in °C**
x			380	-50 to +200 °C
	x	x	386	-50 to +260 °C
			(3)	**Measuring insert**
x	x	x	1001	1× Pt100 in 3-wire circuit
x	x	x	1003	1× Pt100 in 2-wire circuit
x	x	x	1011	1× Pt100 in 4-wire circuit
x	x		2001	2× Pt100 in 3-wire circuit (not for silicone cables and protection tube diameter D = 4 mm)
x	x	x	2003	2× Pt100 in 2-wire circuit
			(4)	**Tolerance class according to DIN EN 60751**
x	x	x	1	Class B (standard)
x	x	x	2	Class A
			(5)	**Protection tube diameter D in mm**
x	x	x	4	Ø 4 mm
	x		4.5	Ø 4.5 mm
			(6)	**Insertion length EL in mm**
x	x	x	100	100 mm (standard)
x	x	x	150	150 mm
			(7)	**Insertion tip**
x	x	x	2	Concentric
x	x	x	3	Oblique
			(8)	**Connecting cable end**
x	x	x	11	Ferrules
x	x	x	80	Multi-pole plug connector (specify type in plain text)
			(9)	**Connection cable length AL in mm (500 to 500000 mm)**
x	x	x	4000	4000 mm (standard)
x	x	x	. . .	Specification in plain text (500 mm increments)
			(10)	**Extra code**
x	x	x	000	Without
x	x	x	317	Shielded connecting cable

	(1)		(2)		(3)		(4)		(5)		(6)		(7)		(8)		(9)		(10)
Order code		-		-		-		-		-		-		-		-		/	
Order example	902350/83	-	386	-	1001	-	1	-	4.5	-	100	-	2	-	03	-	4000	/	000

JUMO GmbH & Co. KG
Delivery address: Mackenrodtstraße 14
36039 Fulda, Germany
Postal address: 36035 Fulda, Germany
Phone: +49 661 6003-0
Fax: +49 661 6003-607
E-mail: mail@jumo.net
Internet: www.jumo.net

JUMO Instrument Co. Ltd.
JUMO House
Temple Bank, Riverway
Harlow, Essex CM20 2DY, UK
Phone: +44 1279 635533
Fax: +44 1279 635262
E-mail: sales@jumo.co.uk
Internet: www.jumo.co.uk

JUMO Process Control, Inc.
6733 Myers Road
East Syracuse, NY 13057, USA
Phone: 315-437-5866
1-800-554-5866
Fax: 315-437-5860
E-mail: info.us@jumo.net
Internet: www.jumousa.com

Stock versions

(1)		(2)		(3)		(4)		(5)		(6)		(7)		(8)		(9)		(10)	Part no.
902350/22	-	380	-	1003	-	1	-	4	-	100	-	3	-	11	-	4000	/	000	00338150
902350/22	-	380	-	1001	-	1	-	4	-	100	-	2	-	11	-	4000	/	317	00338153
902350/23	-	380	-	1003	-	1	-	4	-	100	-	3	-	11	-	4000	/	000	00085418
902350/23	-	380	-	1003	-	1	-	4	-	100	-	2	-	11	-	4000	/	000	00085420
902350/43	-	380	-	1003	-	1	-	4	-	100	-	3	-	11	-	4000	/	000	00083365
902350/43	-	380	-	1001	-	1	-	4	-	100	-	3	-	11	-	4000	/	000	00083366
902350/43	-	380	-	1003	-	1	-	4	-	100	-	2	-	11	-	4000	/	000	00083791
902350/43	-	380	-	2001	-	1	-	4	-	100	-	2	-	11	-	4000	/	000	00089569
902350/43	-	380	-	1001	-	1	-	4	-	100	-	2	-	11	-	4000	/	000	00083792
902350/63	-	386	-	1001	-	1	-	4	-	100	-	3	-	11	-	4000	/	000	00325270
902350/63	-	386	-	1001	-	1	-	4	-	100	-	2	-	11	-	4000	/	000	00333089
902350/83	-	386	-	1001	-	1	-	4	-	100	-	3	-	11	-	4000	/	000	00523228
902350/84	-	386	-	1001	-	1	-	4	-	100	-	3	-	11	-	4000	/	000	00523235
902350/84	-	386	-	1001	-	1	-	4	-	100	-	2	-	11	-	4000	/	000	00523236