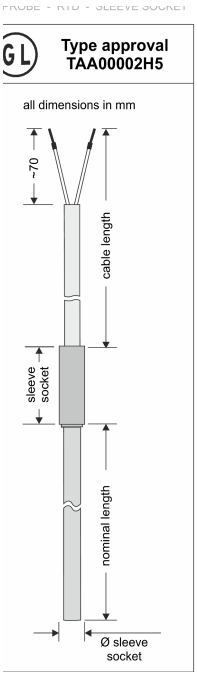
CABLE PROBE WITH ADAPTER, GL



- GL TAA00002H5
- PT100 AND PT1000
- -200 ... +450 °C
- WITH ADAPTER
- MAX. 200 MM LENGTH

IP65

Stainless Steel

KEY DATA

Property	Value	Property	Value
Type approval	GL TAA00002H5	Operating range	-200 ... +450 °C
Sensing element	Pt100 or Pt1000, 1× or 2×	Sheath	1.4571 (316Ti)
Circuit	2-, 3- or 4-wire	Ø sheath	4 · 5 · 6 mm
Accuracy	class A to B1/10DIN	Adapter	potted sleeve, 1.4571
Nominal length	25 ... 65 mm, max. 200 mm	Product code	KV

Cable probe with adapter in the version with GL type approval. Compared to TCME it is limited to 200 mm and its cable to 6 m. The operating range is set by the cable: PVC ends at 70 °C.

TECHNICAL DATA

SENSING ELEMENT

Sensor element	Pt100 · Pt1000 · 2× Pt100 · 2× Pt1000
Circuit	2-wire · 3-wire · 4-wire
Accuracy	class A · class B · B1/2DIN ·
	B1/3DIN · B1/10DIN
Operating range sensor	-200 … +450 °C
Insulator	none

SHEATH AND LENGTH

Material	1.4571 (316Ti)
Ø sheath	4 · 5 · 6 mm
Nominal length	25 (Ø4) · 45 (Ø4) · 45 (Ø5) ·
	41 (Ø6) · 65 mm (Ø6)
Maximum length	200 mm
Adapter	potted sleeve, 1.4571
	Ø and length to be stated by the purchaser
Connection	open ends 70 mm stripped
Cable length	standard 2 m · max. 6 m

CONNECTING CABLE

Connecting cable	PVC-PVC · PTFE-silicone · PTFE-PTFE ·
	PTFE-braided screen-PTFE ·
	glass silk-glass silk-braided screen
Cable length	standard 2 m · option on request, max. 6 m
Protection	IP 65 (up to 250 °C) (1)
Insulation resistance	test voltage 500 VDC

TEMPERATURE AND RESPONSE

Sensor	-200 … +450 °C
Sheath 1.4571	up to 600 °C
Response 6×0.5 mm	t90 20 s · t50 5 s
Cable PVC	-5 … +70 °C
Cable silicone	-45 … +180 °C
Cable PTFE	-75 … +205 °C
Cable glass silk	-60 … +550 °C

(1) IP 65 does not apply to the braided-screen version.

CONNECTION

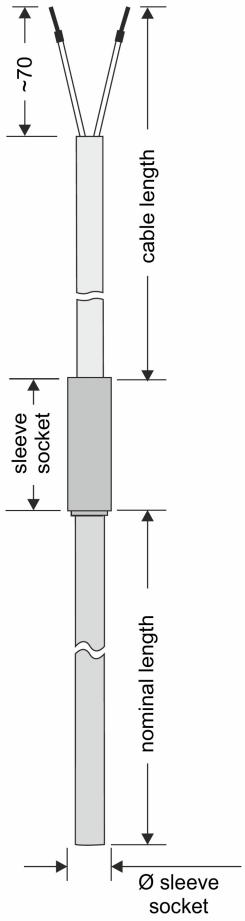
Cable with open ends, 70 mm; the transition to the cable is a hexagonal crimp, optionally a ring crimp.

DIMENSIONS

PROBE - RTD - SLEEVE SOCKET

GL **Type approval TAA00002H5**

all dimensions in mm



CONFORMITY

Type approval	GL TAA00002H5
Accuracy classes	Class A to B1/10DIN
Protection	IP 65 up to 250 °C, not for the braided-screen version

ORDER INFORMATION

Accessories

- Accessories: compression fitting and sheet metal flange.

ORDER KEY

Field	Value	Meaning
Product code	KV	stands at the beginning of every order code
Sensor element	4 … 7	1× Pt100 · 1× Pt1000 · 2× Pt100 · 2× Pt1000 (2)
Type of sensor	0 … 2	2-wire · 3-wire · 4-wire
Accuracy	0 … 4	class A · class B · B1/2DIN · B1/3DIN · B1/10DIN
Sheath material	0	1.4571 (316Ti)
Ø sheath	0 … 2	4 · 5 · 6 mm
Nominal length	0 … 5	25 (Ø4) · 41 (Ø6) · 45 (Ø4) · 45 (Ø5) · 65 mm (Ø6) · other, max. 200 mm
Adapter	—	Ø and length in mm to be stated
Connecting cable	0 … 4	PVC · PTFE-silicone · PTFE · PTFE braided · glass silk
Connection	0 · 1	open ends 70 mm · other length
Cable length	0 · 1	2 m · other length, max. 6 m
Used temperature range	—	to be stated by the purchaser, in °C

The order code is formed from the product code and the fields of the key.

(2) Both versions carry the product code KV; they are told apart by this field alone: 0 … 3 is TCME, 4 … 7 is TCMF.