DIESEL EXHAUST THERMOMETER
rigid mount
Connection position bottom or back

Nominal size 63, 80, 100
Accuracy class 1

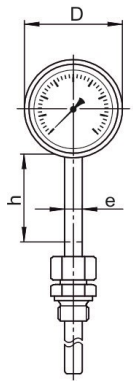
Diesel exhaust thermometers are used to measure the exhaust gas and cooling water temperatures in diesel engines.
These thermometers are made with highly viscous silicone oil as standard filled to withstand the high mechanical and technical demands.
To increase the service life, they should always be used with a protective tube.

Type	37			38			Options
Nominal size	63	80	100	63	80	100	
							
Design	Rigid mount						
Connection position	Vertical bottom			Centric back			radial at 3:00, 9:00, 12:00 or other than vertical installation (90°C)
Accuracy	Class 1						
Temperature ranges	0-120°C or 50-650°C						
Measuring unit	With nitrogen filling (inert gas, physiologically safe)						
Temperature sensor	Stainless steel (1.4571), max. static operating pressure 25 bar						
Stem types (jacket version)	G1.5 G3.5 G5.5	Without screw fitting, plain stem Union nut Male thread/ compression fitting (galvanised steel)					Capillary line: 1 m stainless steel Ø 2 mm with break protection sleeves at both ends. Capillary length selectable from 1 m to 15 m
Stem diameter	F = 10, 12 or 13 mm						
Stem length	150 (=L_{min}), 200, 250, 300, 400 mm						
Case	With polished crimped-on ring, stainless steel (1.4301)						
Case filling	Silicone oil						
Protection	IP65 acc. DIN EN 60 529/IEC 529						
Movement	Brass / German silver						
Pointer	Aluminium black						
Dial	Aluminium white, lettering and scale black						
Window	Instrument glass						Safety glass at NS 80 and NS 100
Adjustment	Externally via screw (±6%)						

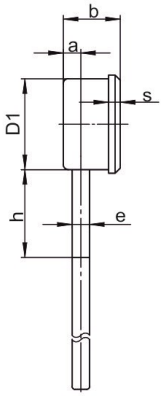
SUKU DRUCK & TEMPERATUR

Type 37 NS 63 (Connection bottom)

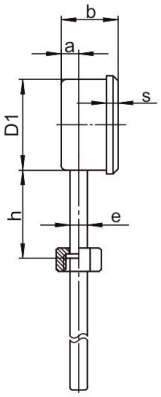
Stem type G5.5



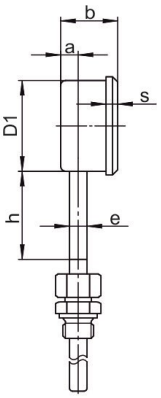
Stem type G1.5



Stem type G3.5

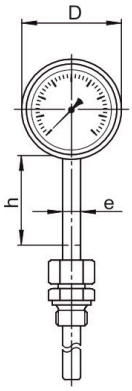


Stem type G5.5

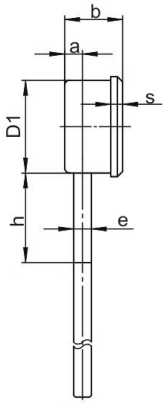


Type 37 NS 80 and NS 100 (Connection bottom)

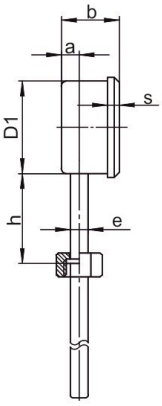
Stem type G5.5



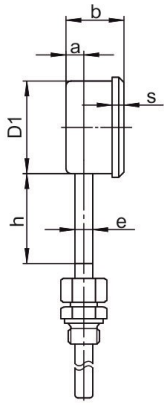
Stem type G1.5



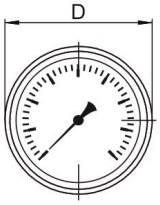
Stem type G3.5



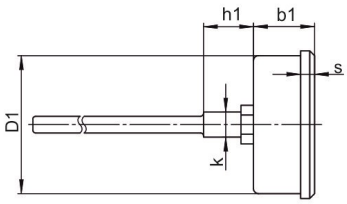
Stem type G5.5



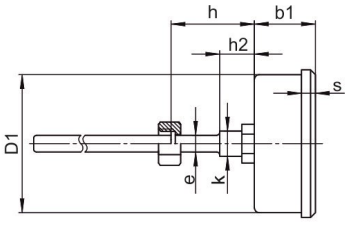
Type 38 NS 63, NS 80 and NS 100 (Connection back)



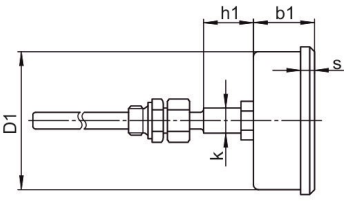
Stem type G1.5



Stem type G3.5



Stem type G5.5

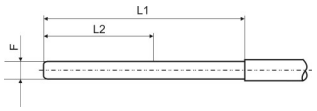


Type	NG	D	D1	a	b	b1	e	h	h1	h2	k	s	approx. Weight [1] in kg
37	63	67	62	12	39	-	12	60	-	-	-	8	0,33
37	80	86	79	15	42	-	12	60	-	-	-	8	0,50
37	100	106	99	15	43	-	12	60	-	-	-	10	0,70
38	63	67	62	-	-	39	12	-	34	25	9	8	0,33
38	80	86	79	-	-	42	12	-	34	25	9	8	0,50
38	100	106	99	-	-	43	12	-	34	25	9	10	0,70

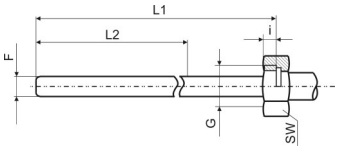
Fühlertypen Maßangaben in mm

DRUCK & TEMPERATUR

Stem type	Process connection	Stem model acc. DIN 13190	Thread - Dimensions in mm	suitable thermowell models
G1.5	Without screw fitting, plain stem	Form 1		



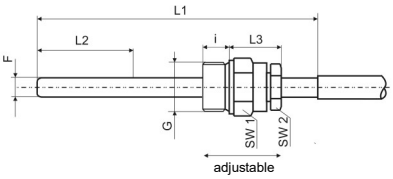
G3.5 Union nut — Form 5



G	SW	i
G1/2	27	10
G3/4	32	12
M20 x1,5	27	10
M27 x 2	32	12

Form 4.1
Form 4.1F
Form 8
Form 9

G5.5 Male thread/ compression fitting — Form 2



G	SW1	i
G1/2B	27	14
G3/4B	32	16
M20 x1,5	27	14
M27 x 2	32	16

Stem Ø	SW2
10	19
12	22
13	24

Form 4
Form 4F
Form 6 and 7

The **minimum length Lmin/L1min** is the smallest feasible stem length. **length: 150 mm**

The active length L2 is the temperature-sensitive part of the stem. **length: 80 mm**

SUKU Druck- und Temperaturmesstechnik GmbH
Garnsdorfer Hauptstraße 109 • 09244 Lichtenau / Sachsen - GERMANY
Tel.: +49 37208 / 2717 • Fax: +49 37208 / 61713 • contact@suku.de • www.suku.de