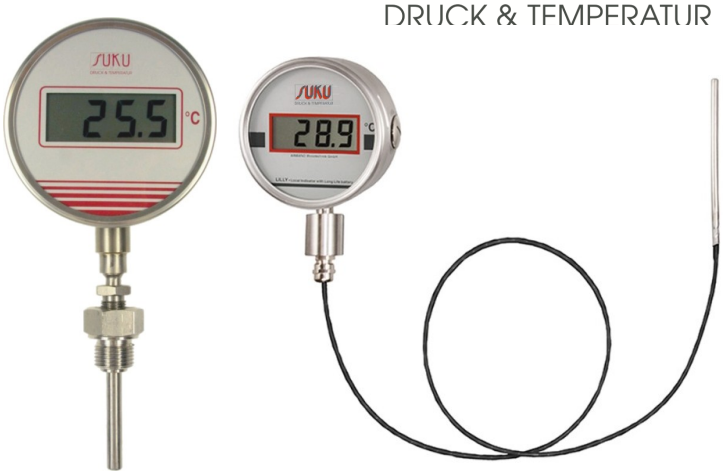
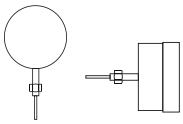
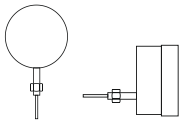
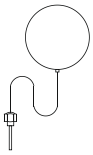
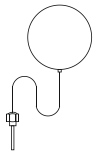
PRECISION DIGITAL THERMOMETER
battery powered

Nominal size 63, 100
Accuracy 0,3% ± 1 digit



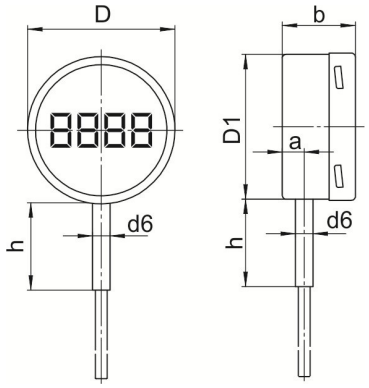
The battery-operated digital thermometers consist of a platinum resistance thermometer and an LC display, which are built into a robust standard stainless steel thermometer housing.
The version with capillary is possible.

Application
Industrial and plant construction
Refrigeration and food industry

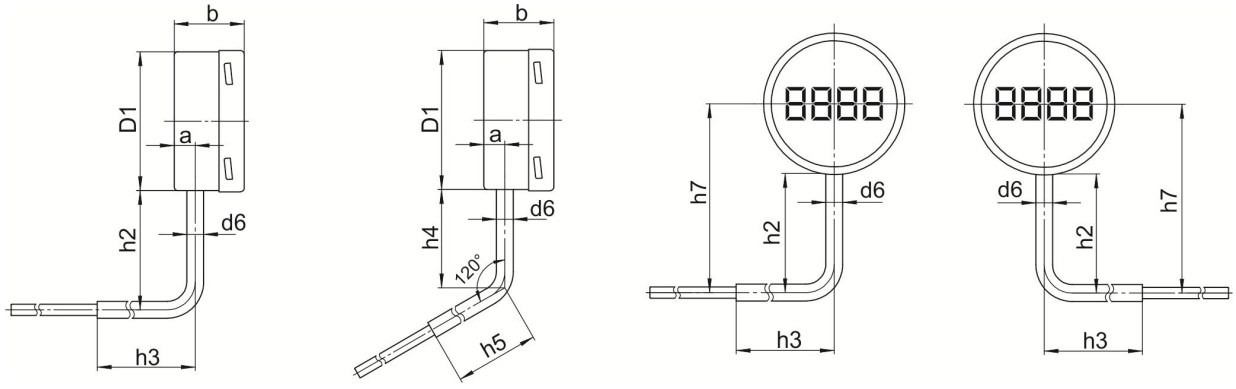
Type	7035	7036	7037	7038	Options
Nominal size	100	63	100	63	
Symbol					Version with measuring-device holder, measu-ring point identification
Connection position	bottom / back	bottom or back eccentric	bottom / back	bottom / back	other
Accuracy	Display: 0,3% v.E. ± 1 digit Sensor: cl. B acc. to DIN EN 60751 (±0,3 K at 0°C)				
Measuring range / (resolution)	-50,0 / +250,0°C (0,1 K) -99,9 / +550,0°C (0,1 K)	-50,0 / +199,9°C (0,1 K) -50,0 / +550,0°C (1 K)	-50,0 / +250,0°C (0,1 K) -99,9 / +550,0°C (0,1 K)	-50,0 / +199,9°C (0,1 K) -50 / +550,0°C (1 K)	
Measuring element	Platin measuring resistor Pt1000 acc. to DIN EN 60751				
Measuring rate	15 s				
Case	Bayonet, stainless steel 1.4301, with pressure compensation element				Mounting flange
Window	Instrument glass				Safety laminated glass, acrylic glass, polycarbonate
LC-display	4-digit	3,5-digit	4-digit	3,5-digit	
Digit height	18 mm	10 mm	18 mm	10 mm	
Lithium-battery	AA, 2600 mAh	½AA, 1200 mAh	AA, 2600 mAh	½AA, 1200 mAh	
Battery life	depending on use approx. 5-7 years, exchangeable				
Sensor types (page 3)	G1, G3, G4, G4.1, G5 or G6		G1 or G5		
Stem material	CrNi-steel 1.4571		up to +250°C cable sensor with stainless steel sleeve made of 1.4571		
Stem-Ø	6, 8 oder 10 mm		6 mm		
Stem length	Standard: max. 2,5 m				
Static pressure	max. 25 bar				
Capillary line (max.15m)	-		up to 180°C silicone, up to 250°C PFA		Cable amored with pro-tective hose
Temperatures	Ambient: -10°C…+60°C, ambient storage: -20°C…+70°C				
Protection	IP65 acc. to DIN EN 60 529				

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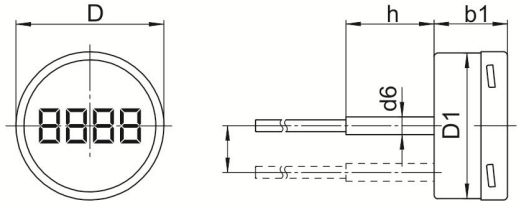
7035, 7036 vertical bottom stem position



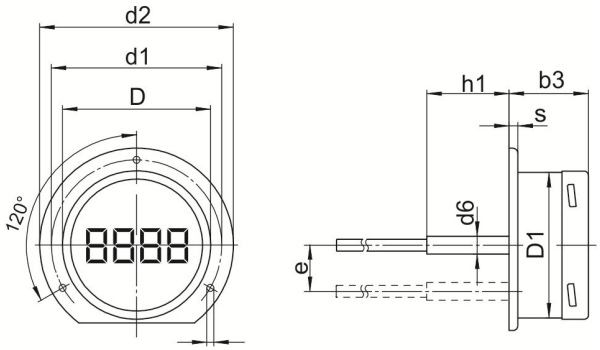
7035, 7036 angular bottom stem positions



7035, 7036 connection back

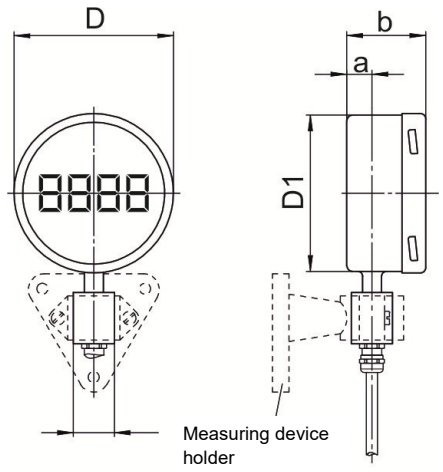


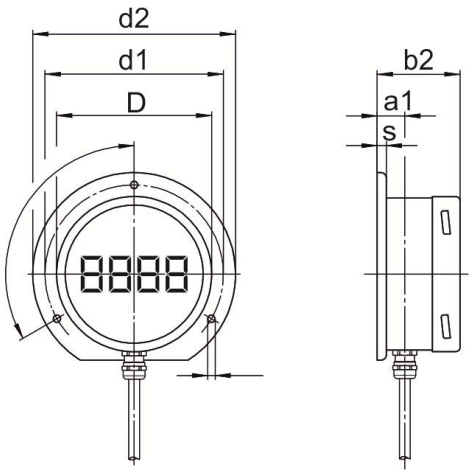
with back flange



NS	a	b/b1	b3	D	D1	d1	d2	d3	d6	e	h	h1	h2	h3	h4	h5	s	Weight
63	12	39	42	64	62	75	85	3,6	12	18	60	57	85	120	70	120	5	0,24 kg
100	15	50	53,5	101	99	116	132	4,8	12	-	60	56,5	85	120	70	120	6	0,46 kg

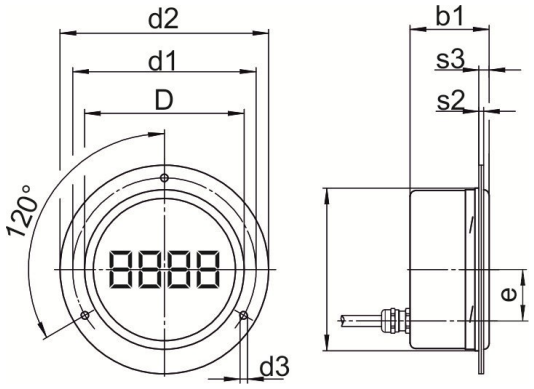
7037, 7038 cable connection bottom with measuring device holder



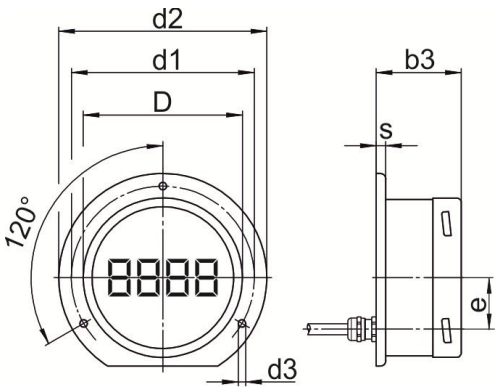


with back flange

7037, 7038 cable connection back



with front flange



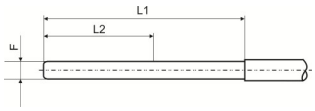
with back flange

NS	a	b/b1	b2/b3	D	D1	d1	d2	d3	d5	d7	s	s1	s2	s3	s5	Weight
63	12	39	42	64	62	75	85	3,6	M3	26	5	1	2	5,5	7	0,38 kg
100	15	50	53,5	101	99	116	132	4,8	M3	26	6	1	2	5,5	7	0,60 kg

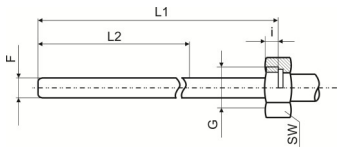
Stem types Dimensions in mm

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



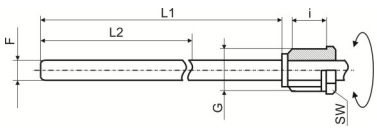
G3	Union nut	Form 5		



G	SW	i
G1/2	27	10
G3/4	32	12
M20 x1,5	27	10
M24 x1,5	32	12
M27 x 2	32	12

Form 4.1
Form 4.1F
Form 8
Form 9

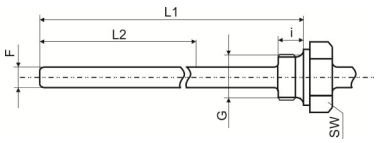
G4	Male thread turnable	Form 4	



G	SW	i
G1/2B	22	20
G3/4B	27	23
M18x1,5	22	14
M20x1,5	22	20

Form 4
Form 4F
Form 5
Form 6 und 7

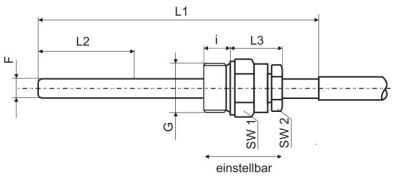
G4.1	Male thread rigid	Form 6 Form 7	



G	SW	i
G1/2B	27	14
G3/4B	32	16
1/2“NPT	27	19
3/4“NPT	27	19
M18x1,5	24	14
M20x1,5	27	14

Form 4
Form 4F
Form 5
Form 6 und 7

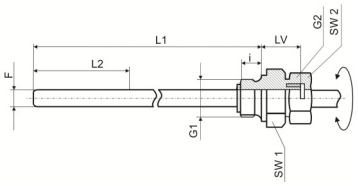
G5	Male thread compression fitting	Form 2 Form 3	



G	SW1	SW2	i
G1/2B	27	22	14
G3/4B	32	22	16
1/2“NPT	27	22	19
3/4“NPT	27	22	19
M20x1,5	27	22	14

Form 4
Form 4F
Form 5
Form 6 und 7

G6	Male thread turnable / double male adapter	- Lv = 28 mm	



G	G2	SW1	SW2	a
G1/2B	G1/2B	27	27	14
G3/4B	G1/2B	32	27	16
1/2“NPT	G1/2B	27	27	19
3/4“NPT	G1/2B	27	27	19
M20x1,5	M20x1,5	27	27	14
M24x1,5	M20x1,5	32	27	14
M27x1,5	M20x1,5	32	27	16

Form 4
Form 4F
Form 5
Form 6 und 7

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The technical data of the devices described in this document correspond to the current state of the art. We reserve the right to make changes and exchange materials.