

DiTemp® // LCK series

-40...199.9 °C



LCK-03

BEST
SELLER



Highlights

- Good readability of the process parameters → High contrast LCD display
- Robust mechanical construction → Reliable and long-lasting operation
- Continuous self-test → Maximum degree of operational safety
- Up to 4 years of energy self-sufficient operation → Durable lithium battery
- No complex cabling necessary

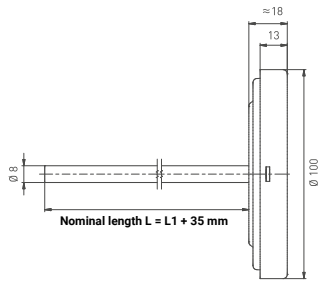
Technical data	
Version	Straight
Dimensions	100 mm x 20 mm (D x D)
Measuring range	-40...199.9 °C
Medium / Application	Liquid and gaseous media
Immersion tube length	100...400 mm
Immersion tube diameter	8 mm
Process connection	Without, G ¹ / ₄ , G ¹ / ₂ , G ³ / ₄ , M20 x 1.5, M27 x 2
Pressure rating	PN 25
Display	3 ½ digit, 7 segment display, 21 mm high
Resolution	0.1 K in the range -40...199.9 °C
Measuring rate	6 s
Medium temperature	See selected measuring range
Ambient temperature	5...60 °C
Storage temperature	5...60 °C

Electrical data	
Measuring element	Pt1000 / 2-wire / Class B
Accuracy	±1 % of range ±1 digit
Supply voltage	Button cell, 4 years service life

Technical drawings

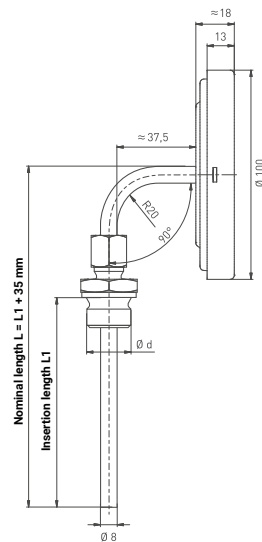
LCK-02

Immersion tube
routed to the rear (axial)



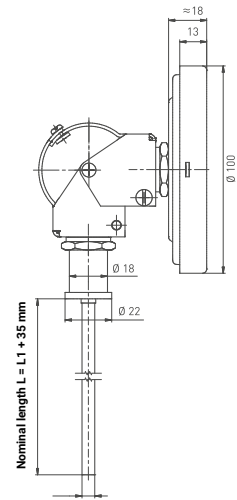
LCK-03

Immersion tube 90°



LCK-07

Immersion tube
universally adjustable



Materials

Materials	
Not in contact with medium	
Housing	Stainless steel 1.4301 with polished front frame, glas or plastic front screen
In contact with medium	
Process connection	Stainless steel 1.4571
Immersion tube	Stainless steel 1.4571

Article numbers

Order code										
Type										
Immersion tube routed to the rear (axial)	LCK-02	9A2								
Immersion tube 90°	LCK-03	9A3								
Immersion tube universally adjustable	LCK-07	9A7								
Display range*										
-40...199.9 °C			42							
Immersion tube length* I₁		Nominal length L = I₁ + 35 mm								
100 mm		135 mm		100						
160 mm		195 mm		160						
250 mm		285 mm		250						
400 mm		435 mm		400						
Connection type*										
Connection type A, plain immersion tube					1					
Connection type AK, adjustable compression fitting					9					
Thread type*										
None					0					
Connection type AKa, adjustable compression fitting (male thread)					2					
Connection type AKi, adjustable compression fitting (female thread)					3					
Connection thread*										
Without - plain immersion tube					0					
G $\frac{1}{4}$					L					
G $\frac{1}{2}$					2					
G $\frac{3}{4}$					3					
M20 x 1.5					7					
M27 x 2					9					
Immersion tube material*		Connection thread material*								
Stainless steel 1.4571		None				1				
Stainless steel 1.4571		Stainless steel 1.4571				3				
Immersion tube diameter										
8 mm							0			
Connecting cable*										
None								0		
Special features*										
None									0	
Shatter-proof plastic front screen (FDA version)									2	
Example order number			9A2	42	100	1	0	0	1	0
									0	0

* Other specifications are available on request

Article numbers

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Type		Order number									
LCK-02	Immersion tube routed to the rear (axial), display range -40...199.9 °C l ₁ = 100 mm, plain immersion tube tread type: none, stainless steel 1.4571, immersion tube diameter 8 mm, without connection cable	9A2	42	100	1	0	0	1	0	0	0
LCK-02	Immersion tube routed to the rear (axial), display range -40...199.9 °C l ₁ = 160 mm, plain immersion tube tread type: none, stainless steel 1.4571, immersion tube diameter 8 mm, without connection cable	9A2	42	160	1	0	0	1	0	0	0