

Resistance thermometer Type 21

developed for medium mechanical stress

Certified by : DNV GL , LR

Resistance thermometers with protection tube and replaceable resistor insert consisting of:

Protection tube, Type TS21, according to drawing S201-21-1, material 1.4541 / 1.4571

Measuring insert, Type TK21 according to drawing S 201-21-3, material as above.
 Protection category Standard version of these temperature sensors are provided with Pt100
 IP 54 resistor element, tolerance class B DIN EN 60751, measuring range -50...+200°C.
 Maximum temperature in connection head is 80°C.

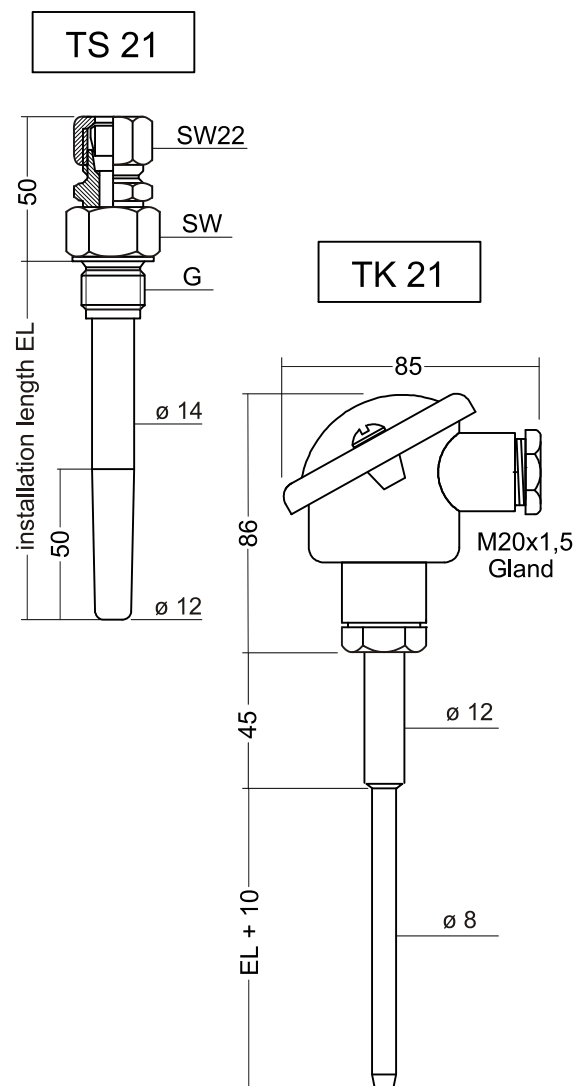
Response time: in water $t_{0,5} = 21,6 \text{ s}$ $t_{0,9} = 85,2 \text{ s}$

Vibration test: 8g

Protection tube TS 21				
EL mm	Screw-in thread G1/2 SW 27		Screw-in thread G3/4 SW 32	
	Article - No		Article - No	
50	TS021.001		TS021.006	
100	TS021.014		TS021.007	
150	TS021.003		TS021.008	
200	TS021.004		TS021.009	
250	TS021.005		TS021.010	
Type	TS8-21-...-R12		TS8-21-...-R34	
Other threads on request				

Measuring insert Type TK 21 1 x Pt100				
EL mm	2-wire technology	3-wire technology	4-wire technology	
	Article - No	Article - No	Article - No	
50	TM021.071	TM021.329	TM021.092	
100	TM021.072	TM021.321	TM021.093	
150	TM021.073	TM021.315	TM021.094	
200	TM021.074	TM021.317	TM021.095	
250	TM021.075	TM021.322	TM021.096	
Type	TKP2-21-...	TKPv2-21-...	TKPz2-21-...	

Measuring insert Type TK 21 2 x Pt100				
EL mm	2-wire technology	3-wire technology		
	Article - No	Article - No		
50	TM021.127	TM021.330		
100	TM021.128	TM021.331		
150	TM021.129	TM021.326		
200	TM021.130	TM021.332		
250	TM021.131	TM021.267		
Type	TK2P2-21-...	TK2Pv2-21-...		



This design is available also in other installation lengths, with other laboratory resistors and than thermocouple. Installation of a 2-wire transducer with exit 4-20 mA possible.