

Model Code Electrical Temperature Measurement

ARMANO

T08-000-033

Resistance thermometers

Resistance Thermometers – Standard Versions

Model		Measuring element		Construction type		Version		Output	
1		2		3		4		5	
T	thermometer	Pt	(platinum) resistor	Hr	neck tube	A	connection head	T	terminal block or open connection output signal: Ω
				Sr	thermowell	Ao	without connection head	T	transmitter output signal: mA, V, HART
				Mi	mineral-insulated	St	plug connector		
				Ho	without neck tube	D	with connecting wires ¹⁾		
				HoSr	without neck tube with thermowell	L	with connection cable ¹⁾		
				R	ambient temperature measurement	G	wall mount housing ²⁾		
				Mf	compact design				

Example: TPtSrAT – resistance thermometer with thermowell, connection head and transmitter

1	2	3	4	5
T	Pt	Sr	A	T

¹⁾ TPtMi only

²⁾ TPtR... only

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Thermocouples

Thermocouples – Standard Versions									
Model		Measuring element		Construction type		Version		Output	
1		2		3		4		5	
T	thermometer	Te	thermocouple	Hr	neck tube	A	connection head		terminal block or open connection output signal: mV
				Sr	thermowell	Ao	without connection head ¹⁾	T	transmitter output signal: mA, V, HART
				Mi	mineral-insulated	D	with connecting wires ¹⁾		
				Ho	without neck tube	L	with connection cable ¹⁾		
				HoSr	without neck tube with thermowell	St(L)	with plug connector (LEMO series S) ¹⁾		
				K	with ceramic protection tube	St(T)	with plug connector (according to DIN 50212) ¹⁾		
				M	with metal protection tube				
				O	tube surface measurement				

Example: TTeSrAT – thermocouple with thermowell with connection head and transmitter

1	2	3	4	5
T	Te	Sr	A	T

¹⁾ TTeMi... only

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EX versions



Instruments With Explosion Protection											
Model		Measuring element		Construction type		Ignition protection type		Version		Output	
1		2		3		4		5		6	
T	thermometer	Pt	(platinum) resistor	Hr	neck tube	Xi	Ex, intrinsically safe, i EN 60079-11	A	connection head	terminal block output signal: Ω / mV	
		Te	thermocouple	Sr	thermowell	Xd	Ex, flameproof enclosure, d EN 60079-1	Ao	without connection head ¹⁾	T	transmitter
				Mi	mineral-insulated						

Example: TPtSrXiAT – resistance thermometer with thermowell for intrinsic safety, with connection head

1	2	3	4	5	6
T	Pt	Sr	Xi	A	T

Instruments With Explosion Protection – PAXd							
Model		Measuring element		Version		Ignition protection type	
1		2		3		4	
T	thermometer	Pt	(platinum) resistor	PA	process display	Xd	Ex, flameproof enclosure, d EN 60079-1
		Te	thermocouple				

Example: TPtPAXd – resistance thermometer with process display for explosion hazardous areas

1	2	3	4
T	Pt	PA	Xd

¹⁾ T...MiXi... only

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Digital thermometers

Digital Thermometers									
Model		Type	Construction type		Version		Nominal case size		
1		2		3		4		5	
T	thermometer	D	digital	S	special version with M 12 plug	Ch	stainless steel case with bayonet ring	63	NCS 63 (2½") ¹⁾
		DP	digital precision LILLYplus		with rigid temperature sensor			100	NCS 100 (4")
				K	with connection cable				
				Gel	with pivot (every angle)				

Example: TDKCh 100 – digital thermometer with connection cable, stainless steel case with NCS 100

1	2	3	4	5
T	D	K	Ch	100

¹⁾ TD... only