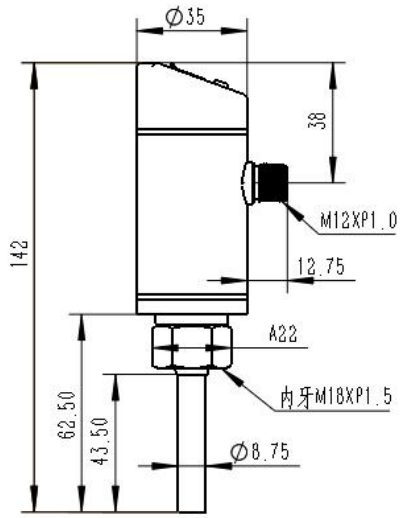
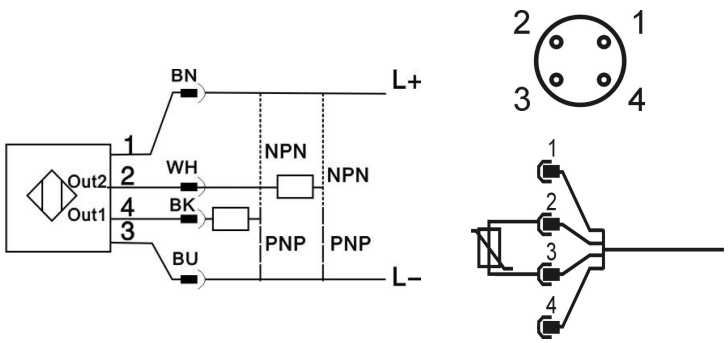
TA1005 Electronic Temperature Sensors M12 socket Connection: Internal thread M18 x 1.5 Programmable Switching output 3 digit display Sensing range -40…150℃ -40…302℉	 CE RoHS		
Applications	Liquid and gas		
Output	OUT1	PNP/NPN Programmable	Hno= hysteresis / NO
			Hnc= hysteresis / NC
			Fno= window function / NO
			Fnc= window function / NC
	OUT2	PNP/NPN Programmable	Hno= hysteresis / NO
			Hnc= hysteresis / NC
			Fno= window function / NO
			Fnc= window function / NC
			dES= diagnosis output / NC
Current consumption[mA]	<50		
Supply voltage[V]	18…36 DC		
Short-circuit protection	Pulsed		
Reverse polarity protection	yes		
Overload protection	yes		
Watchdog	yes		
Voltage drop[V]	<2		
Setting range Analogue start point ASP[℃/℉] Analogue end point AEP[℃/℉] Switching point SP[℃/℉] Reset point rP[℃/℉] In steps of	 -40…140 / -40…284 -30…150 / -22…302 -39.5…150 / -39…302 -40…149.5 / -40…301 0.5/1		
Programming options	Hysteresis range / Window function, NO / NC		
	Min/Max, Factory reset, ℃/℉		
Adjustment of switching point	via pushbuttons		
Accuracy Switching accuracy[℃/℉] Analogue accuracy[℃/℉] Display[℃/℉]	 ±0.2/±0.36 ±(0.2/0.36+0.4% Measuring range) ±(0.2/0.36+1/2)		

Switching output [℃/℉]	0.5/1
Analogue output[℃/℉]	0.125/0.23
Display[℃/℉]	0.5/1
Temperature drift(/10K)	0.1
Startup delay time[s]	1.5
Measuring/Display cycle[ms]	200
Medium temperature [℃/℉]	-40…150/-40…302
Ambient temperature [℃/℉]	-25…80/-13…176
Storage temperature[℃/℉]	-40…100/-40...212
Insulation resistance[MΩ]	>100 (500V DC)
Protection/Enclosure Rating	IP68
Dimensions[mm]	
ESD[KV]	III
EFT[KV]	III
Walkie talkie experiment[M]	1
Shock resistance[g]	50
Vibration resistance[g]	20
Housing material	Stainless steel 304
Probe material/Wetted Parts	Stainless steel 316L
Function LED/output status	Red LED
Connection	M12 socket
Wiring Core color Programming of the output function: Hno= hysteresis / NO Hnc= hysteresis / NC Fno= window function / NO Fnc= window function / NC	

Akdeniz Mekatronik San.Tic.Ltd.Şti
Yeşiloba Mahallesi 46290 Sk. No:4 Adana/Türkiye
Tel. +90 322 428 11 44
E-mail: info@akdenizmekatronik.com.tr