




<p>TA1006</p> <p>Electronic Temperature Sensors</p> <p>M12 socket</p> <p>Connection: Internal thread M18 x 1.5</p> <p>Programmable</p> <p>Switching + Analogue output</p> <p>3 digit display</p> <p>Probe length L=100mm</p> <p>Sensing range</p> <p>-40...150°C</p> <p>-40...302°F</p>	 <p>CE RoHS</p>
Applications	Liquid and gas
Output	<p>NO  /NC </p> <p>Analogue output 4...20mA, 0...10V</p>
Supply voltage[V]	18...36 DC
Max. overload current[mA]	300
Short-circuit protection	Pulsed
Reverse polarity protection	Yes
Overload protection	Yes
Watchdog	Yes
Voltage drop[V]	<2
Current consumption[mA]	<50
Analogue output	4...20mA(Rmax:5000Ohm);0...10V(Rmin:1000Ohm)
Setting range	<p>Analogue start point ASP[°C/°F] -40...140 / -40...284</p> <p>Analogue end point AEP[°C/°F] -30...150 / -22...302</p> <p>Switching point SP[°C/°F] -39.5...150 / -39...302</p> <p>Reset point rP[°C/°F] -40...149.5 / -40...301</p> <p>In steps of 0.5/1</p>
Programming options	<p>Hysteresis range / Window function, NO / NC</p> <p>Min/Max, Factory reset, °C/°F</p>
Adjustment of switching point	via pushbuttons
Accuracy	<p>Switching accuracy[°C/°F] ±0.2/±0.36</p> <p>Analogue accuracy[°C/°F] ±(0.2/0.36+0.4% Measuring range)</p> <p>Display[°C/°F] ±( 0.2/0.36+1/2)</p>
Switching output [°C/°F]	0.5/1
Analogue output[°C/°F]	0.125/0.23
Display[°C/°F]	0.5/1
Temperature drift(/10K)	0.1
Startup delay time[s]	1.5

Measuring/Display cycle[ms]	200
Medium temperature [°C/°F]	-40...150/-40...302
Ambient temperature [°C/°F]	-25...80/-13...176
Storage temperature[°C/°F]	-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	



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