Deliverv Spe	cification	No.	Page
Part Name		CNE-TC-10-C1	1/3
Ceramic Ultrasonic Se	ensor TC40-10T/R	仁 化 县 宇 萱 科 打	支有限公司
Part Name Ceramic Ultrasonic Se TO: AGENT : ULTI S	RASONIC TRANS PECIFICAT	CNE-TC-10-C1 仁化县宇	女有限公司
	CHECKED BY		
		APPROVED BY	



Delivery Specific	ation	No. Page	
Part Name		CNE-TC-10-C1	3/3
Ceramic Ultrasonic Sensor	TC40-10T/R	仁化县宇萱科技有限公司	
	,		
5. ENVIRONMENTAL CHARACTERISTICS) Aall nat ahanga hu ma	ve than 15dP in tomporat	ure renge of 20°
to 70° C at a relative humidity of 30°	Tail flot change by filo	ire than 150b in temperat	ule lange of -20
5.2 Sound Pressure Level and Sensitivity st	hall not change by mo	ore than 6dB in the humic	lity of 10% to 90%
At the temperature of 25°	hail not change by me		
5.3 MOISTURE			
Keep the sensor at 40°C±2°C and	90°C to 95°C R.H for	· 96±4 hours. Then. relea	use the sensor in
the room conditions for 24 hour prior to	the measurement. It	shall fulfill the specification	ons in Table 1.
5.4 VIBRATION			
Subject the sensor to the vibration for	or 1 hour each in the >	X.Y and Z axes with the a	mplitude of 1.5m
at 10 to 55 Hz. It shall fulfill the specific	ations in Table 1.		·
5.5 HIGH TEMPERATURE EXPOSURE			
Subject the sensor to 80±5°C for 24	+1 hours. then, release	se the sensor into the roc	om conditions
for 1 hour prior to the measurement. It	shall meet the specific	cations in Table 1.	
5.6 LOW TEMPERATURE EXPOSURE			
Subject the sensor to -30±5°C for 24	4±1 hours. Then relea	ase the sensor into the ro	om conditions
for 1 hour prior to the measurement. It	shall meet the specific	cations in Table 1.	
	TABLE 1		
ITEM	SPECIFICATION		
Center Frequency	Within 0.5KH	Hz Compared With Initial Values	
Sound Pressure Level	Within 3dB	Compared With Initial Va	lues
		A	

- This sensor is designed for use in air. Do not use this sensor in fluid.
- To prevent sensor malfunctions, operational failure or any deterioration of its characteristics, do not use this sensor in the following, or similar conditions.
 - A. In strong shock or vibration.
 - B. In high temperature and humidity for a long time.
 - C.In corrosive gases or sea breeze.
 - D.In an atmosphere of organic solvents.

In dirty and dusty environments that may contaminate the sensor front.