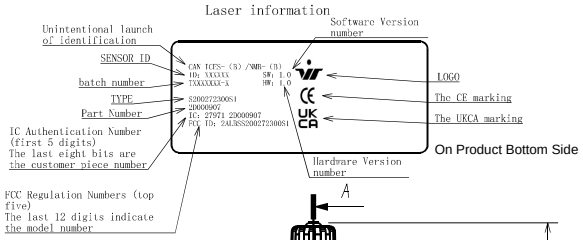
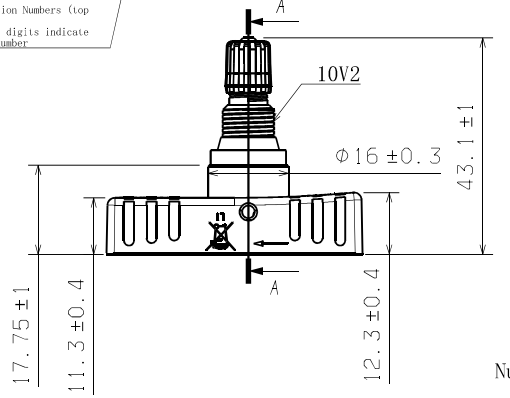
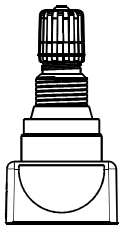
SPEC	TOLERANCE (EXCEPT R)				TOLERANCE (FOR R)
	A	Ⓑ	C	D	
1~8	±0.06	±0.10	±0.20	±0.40	±0.20
8~25	±0.08	±0.15	±0.30	±0.50	±0.50
25~80	±0.12	±0.25	±0.60	±1.00	±1.00
80~250	±0.25	±0.40	±0.80	±1.50	±2.00
250~800	±0.50	±0.80	±1.50	±3.00	±3.00
ANGLE	±1°				

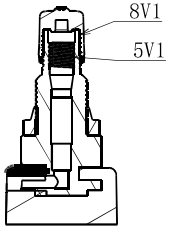
DESIGN	DATE	DESCRIPTION	REV.
XUE SAI	2024.11.19	The new order	△

Project	Functional description	Specifications
1	The power supply	2.6V~3.2V
2	Working temperature	-40~105℃
3	Transmission frequency	433.92MHz
4	Pressure measurement range	0~700kpa
5	Temperature accuracy	±4℃(-20℃~+70℃)
6	Accuracy of pressure measurement	±5kpa(-20℃~+90℃)

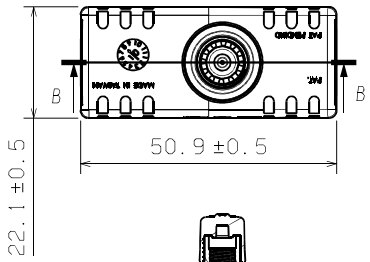


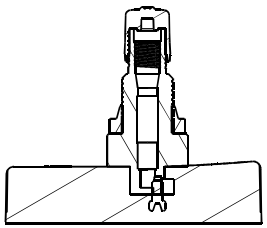






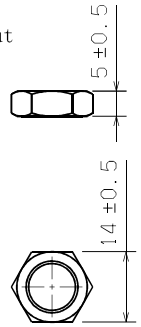
SECTION A-A



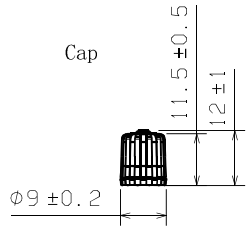


SECTION B-B

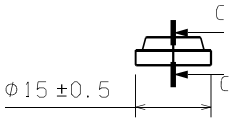
Nut

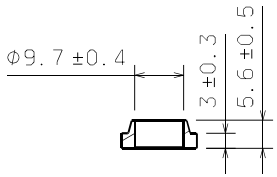


Cap



Grommet





SECTION C-C

NOTE:
1. Hex nut with attached torque : 4.75±0.25 Nm
2. Sensor useful life:5 years or 100,000 kilometers
3. Grommet useful life:3 years or 50,000 kilometers
4. When replacing the tire,Grommet must be replaced together
5. The valve must not interfere with the rim and other structures
6. The wheel hub must comply with ETRTO standards
7. Install the sensor must be according to the provided Standard Operating Procedure
8. The conditions for the high-speed test are as follows:
   A. Rotational Speed:2300rpm,300km/h.
   B. Test cabinet temperature : 65° C.
   C. Test time:4 hour.
   D. Turntable diameter:70cm.
9. The sensor needs to meet the following standards:

Test	Standard	Paragragh
Thermal cycle	SAE J2657-DEC2019	4.1.2
Thermal shock	SAE J2657-DEC2019	4.1.3
Extreme temperature	SAE J2657-DEC2019	4.1.4
Humidity	SAE J2657-DEC2019	4.1.5
Frost	SAE J2657-DEC2019	4.1.6
Proof pressure	SAE J2657-DEC2019	4.1.7
Rapid deflation	SAE J2657-DEC2019	4.1.8
Altitude	SAE J2657-DEC2019	4.1.9
Contamination	SAE J2657-DEC2019	4.1.10
Salt fog-corrosion	SAE J2657-DEC2019	4.1.11
Drop	SAE J2657-DEC2019	4.1.12
Mechanical shock	SAE J2657-DEC2019	4.1.13
Mechanical vibration	SAE J2657-DEC2019	4.1.14
Vehicle speed	SAE J2657-DEC2019	4.1.15
Electromagnetic compatibility(EMC)	EU-27: 2014/30/EU 2014/53/EU	
	UK: UKCA	
	USA: FCC	
	Canada: ISED	

Sealing ring :
Hardness :80~90A
No burrs, waste edges
Smooth surface, no pores

THIRD ANGLE PROJECTION

WHETRON ELECTRONICS (SUZHOU) CO.,LTD					SCALE 1: 1	QUANTITY 1
MODEL NO. S200272300S1		DESCRIPTION CS8016-TX(Tuareg 660)			MATERIAL	FINISHED
DATE 2024.11.19	DESIGN	CHECKED	APPROVED	TOL Table B	DWG NO. DWG-0E00064300S	PART NO. 0E00064300S