UTI7 Wireless Digital Temperature Gauge

Description

UTI7 wireless digital temperature gauge is constructed from temperature elements, signal processing electric circuit, central processor and wireless communication circuit. This product uses the large capacity high performance lithium battery as power supply, its service life is 1~2years, does not need any other external power source.

UTI7 wireless digital temperature gauge realizes long-distance real-time monitoring and wireless data transmission without any field wiring, not only saving manpower, also saving construction costs.

UTI7 wireless digital temperature gauge is especially suitable for the temperature measurement in open country or places, where it is unable to provide power source, but need data to carry on live transmission, such as oil fields, oil wells, heating pipelines ....etc.

Features

- Wireless transmission, not needing any field wiring
- Uses large capacity high performance lithium battery as power supply, no need for external power supply
- Sensor quantity can be multiples if needed, adjustments can be made conveniently.
- Precision is high, transmission is stable, network maintenance very little
- Anti-radar and explosive-proof design, suitable for data communication and data collection in poor weather condition environments
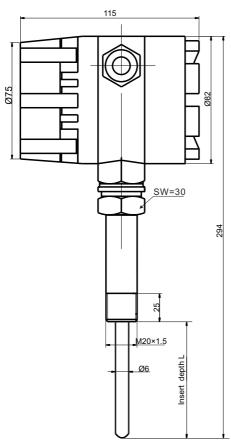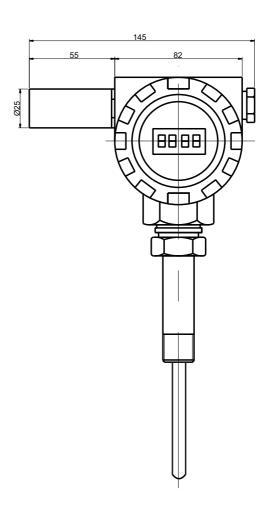
Specifications

measuring	gas or liquids compatible with stainless steel
temperature ranges	thermocouple：E：0~750℃; K:0~1200℃;S：0~1300℃; B:0~1600℃ thermoresistor：PT100：−200~500℃
insert depth	50mm~2500mm(as customer's request)
accuracy	0.25%FS, 0.5%FS
output signal	wireless communication
operating frequency	430~470MHz
transmitting distance	200m or 800m
long-term stability	<0.15%FS/year
supply voltage	3.6V high performance lithium battery
insulation resistance	100MΩ@50VDC
operating temperature range	-30~+60℃
display	dynamic 4−digit LCD digital indicator in MPa,KPa unit
temperature coefficient of zero	0.2%FS/10℃
temperature coefficient of span	0.2%FS/10℃
process connection	M20×1. 5 (male)or others
electrical connection	M20×1. 5（female）
material of wet part	1Cr18Ni9Ti
material of housing	cast aluminium
explosive-proof	ExiaIIBT4,ExdIIBT4

Dimensions

Ordering code

UTI7						
	code	measuring range				
	E	0~750℃				
	K	0~1200℃				
	S	0~1300℃				
	B	0~1600℃				
	Pt100	-200~500℃				
			code	accuracy		
			C	0.25%FS		
			D	0.5%FS		
				code	process connection	
				T0	M20×1. 5	
				T1	M27×2	
				T2	individual type	
				T3	flange type	
				Tz	customer request	
					insert depth L（mm）	
UTI7	Pt100	0~200℃	D	T2	80	