

Pressure Transmitter, 0-0.6MPa, 5V Supply, 0.5-4.5V signal, cable electrical connection NPT1/4 M



PT9503 Series

IOT Pressure Sensors Technical Data Sheet

PT9503-600KV6KB2C6

Features

- Pressure range 0-0.6MPa
- Micro-fused technology, dry-type structure
- Water hammer preventing and cracking resistant
- Compact structure, high cost-effectiveness
- Temperature compensation and linear correction

Applications

- IoT Terminal
- Smart Firefighting
- Smart Agriculture irrigation
- Pipeline, Water pressure control system

Description

PT9503-600KV6KB2C6 is a highly stable and reliable pressure transmitter with span and zero correction. It is a cost-effective product which adopts micro-fused technology pressure sensor and special designed amplifier circuit. With linear correction and temperature compensation, it can effectively resist water hammer effect, solve the problem of momentary overload pressure and also could meet different needs for pressure measurements and control in various environmental conditions.

Product Configuration

Application: Pressure Transmitter
Electrical Connector: NPT1/4 Male

General Specifications

Description	Minimum	Typical	Maximum	Unit
Pressure Range	0		0.6	MPa
Accuracy		±1.0		%Full Scale
Zero Thermal Error per °C		±0.02		% Full Scale/°C
Span Thermal Error per °C		±0.02		% Full Scale/°C
Compensated Temp Range	0		70	°C
Burst Pressure		12		MPa
Overpressure		2		xFull Scale

Electrical Specifications

Description	Minimum	Typical	Maximum	Unit
Output Signal		0.5-4.5VDC		
Power Supply/Excitation Level			5	VDC
Insulation Resistance @250V DC		100		MΩ

Material Specifications

Description	Material
Diaphragm	Stainless Steel 17-4PH



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Plug Housing Stainless Steel 304

O-Ring NBR

Mechanical Specifications

Electrical Connection

Wire Color	Connection
Red	+V
Green	+OUT
Black	GND
IP67	Cable

Environmental Specifications

Temperature (Operating) 0°C to 70°C

Temperature (Storage) -20°C to 100°C

Ingress Protection IP67

Notes: Media compatibility-the media compatible with 17-4PH SS and NBR

Certifications ROHS Compliant

CE Compliant

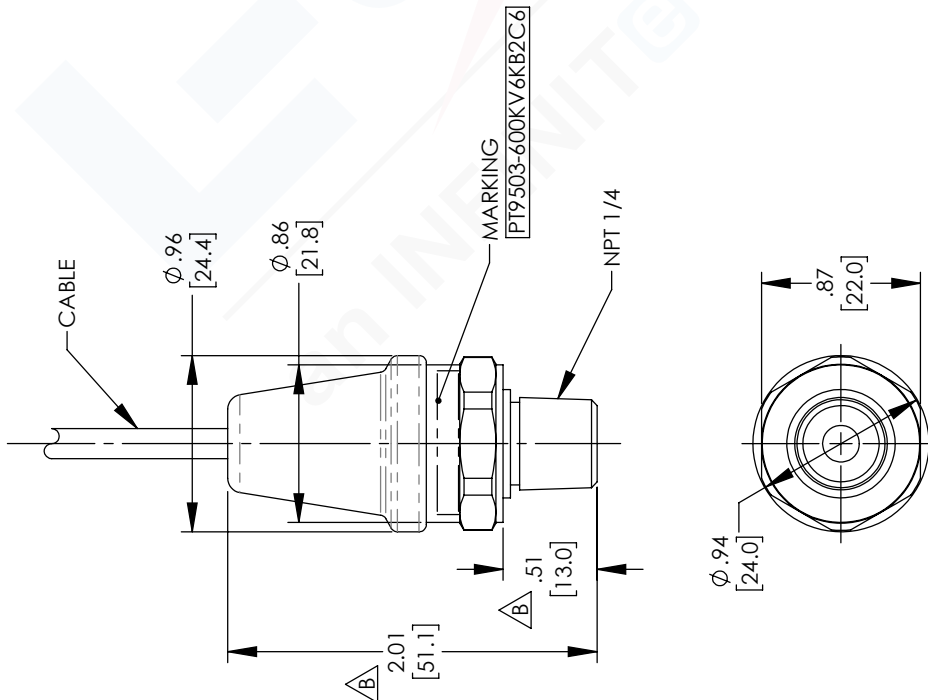
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PT9503-600KV6KB2C6 CAD Drawing

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REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	ECN 10065: DIM [51.1] WAS 48.5, [13.0] WAS 10.5	08/28/2019	TOL A



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TOLERANCES: X±.2 [5.08] FRACTIONS .XX±.01 [.25] ± 1/32 XXX±.005 [.13] ANGLES ± 1°		SHEET 1 OF 1		SCALE N/A	
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.		SIZE CAGE A 43321		PART NUMBER PT9503-600KV6KB2C6	
THIRD-ANGLE PROJECTION		DRAWN BY DZINN		REV B	

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