

CS-iWPT302 Series model similarities and differences

The CS-iWPT302 series products include two types: wireless Bluetooth pressure transmitter CS-iWPT302-P and wireless Bluetooth temperature transmitter CS-iWPT302-T.

All models in the CS-iWPT302 series use the same circuit principle, core components, and RF communication parameters. The differences are as follows:

- 1.) The type of sensor is different: the pressure transmitter uses a resistive pressure sensor, and the temperature transmitter uses a thermistor as a temperature sensor;
- 2.) The range of the sensor is different: the pressure sensor uses different types of pressure sensors according to different range requirements;
- 3.) The excitation board is slightly different: the sensor is differentiated by the excitation source, which can be voltage excitation or current excitation;
- 4.) The different shell colors: Different customers may require different colors.

There,

1.) Wireless Bluetooth pressure transmitter CS-iWPT302-P includes the following models:

CS-iWPT302-P-LLP5-B34WNM-N0X00-00、
CS-iWPT302-P-LP5-B34WNM-N0X00-00、
CS-iWPT302-P-LP5-B34WNM-W0X00-00、
CS-iWPT302-P-HP5-B34WNM-W0X00-00。

And other CS-iWPT302-P derived models:

CS-iWPT302-P-□-B34W□-□0X00-□ (Refer to model differences table for details)

2.) The wireless Bluetooth temperature transmitter CS-iWPT302-T includes the following models:

CS-iWPT302-T/a

And other CS-iWPT302-T derived models:

CS-iWPT302-T/□(Refer to model differences table for details)

Note:

All models are identical to each other except transformer board and sensor models used. As a result, models CS-iWPT302-P-LP5-B34WNM-W0X00-00 was chosen to conduct the full tests.

Model differences table for details:

- For CS-iWPT302-P-□-B34W□-□0X00-□:

CS-iWPT302-P-□-B34W□-□0X00-□
① ② ③ ④

The "①" represent Pressure range & Pressure accuracy, The "②" represent Pressure connector type, The "③" represent sealing material, The "④" represent some special instructions

“①”: Pressure range & Pressure accuracy, eg: LP5

Code 1	Pressure range	Code 2	Pressure accuracy
FLP	X<0	2	±0.25%F.S
LLP	0~2≤X≤5bar	5	±0.5%F.S
LP	0~5<X≤50bar	A	±1.0%F.S
HP	0~50<X≤600bar	B	±1.5%F.S
XX	no limit	C	±3%F.S
		1	±0.1%F.S
		Other undefined codes	Other undefined values

"②" : Pressure connector type, eg: NM

Code 1	Pressure connector type
GM	G1/4 external thread
GF	G1/4 internal thread
G2	G1/2 external thread
GT	G1/2 internal thread
G8	G1/8 external thread
G3	G3/4 external thread
GE	G3/8 internal thread
GS	G3/ 8external thread
NM	NPT1/4 external thread
NF	NPT1/4 internal thread
N2	NPT1/2 external thread

N8	NPT1/8 external thread
RM	R1/4 external thread
R2	R1/2 external thread
R8	R1/8 external thread
M2	M20×1.5 external thread
7M	7/16-20UNF external thread
7F	7/16-20UNF internal thread
9M	9/16-20UNF external thread
"xx"	Refer to the corresponding manual

"③" : Sealing material, eg: W

Code	Sealing material
N	Nitrile rubber
C	chloroprene rubber
F	fluoro rubber
W	welded seal


"④": Some special instructions, eg: 00

Code	Remark
00	No special requirements
S1	Special requirement 1
S2	Special requirement 2
Sx	Special requirement x

- For CS-iWPT302-T/□

The "□" may be the numbers 0 to 9 or the letters A~Z or a~z , or a blank space, that indicates different types of temperature sensors or different temperature measurement accuracies, please refer to the instruction manual.

Hereby certified!

Signature: 

Xi'an Chinastar M&C Limited

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