

## GE-378 Temperature Transmitter ( Explosion-Proof )

The GE-378 is the high performance temperature transmitter that accepts Thermocouple, RTD, ohms inputs and converts it to a 4 to 20 mA DC signal for transmission. The GE-378 supports HART communication protocol and have LCD display. The Explosion-proof grade is EXdIIBT4, Protect grade is IP65, suitable in the dangerous environment. It is a similar products as Yokogawa YTA110 series Temperature Transducer.

### Specification:

- \* Input: TC or RTD
- \* Output: 4~20mA with HART Protocol
- \* Accuracy: 0.1% 0.2% 0.5%
- \* Power: Standard 24V DC; 12V~36V
- \* Work Temperature: -25C ~ 80C
- \* Protect Grade: IP65
- \* Explosion-proof Grade: EXdIIBT4

### Produce Standard:

- \* IEC584
- \* IEC1515
- \* IEC751
- \* JB/T5518-91
- \* JB/T7391-94



### Measure Range & Tolerance:

- \* Thermocouple:

Type	TC Number	Tolerance error & Accuracy Grade			
		I Grade		II Grade	
		Tolerance	Measure range °C	Tolerance	Measure range °C
WRNB	K	±1.5°C	-40~+375	±2.5°C	-40~+333
		±0.004   t	375~1000	±0.0075   t	333~1200
WRMB	N	±1.5°C	-40~+375	±2.5°C	-40~+333
		±0.004   t	375~1000	±0.0075   t	333~1200
WREB	E	±1.5°C	-40~+375	±1.5°C	-40~+333
		±0.004   t	375~800	±0.004   t	333~900
WRFB	J	±1.5°C	-40~+375	±1.5°C	-40~+333
		±0.004   t	375~750	±0.004   t	333~750
WRCB	T	±1.5°C	-40~+125	±1°C	-40~+333
		±0.004   t	125~350	±0.0075   t	133~350
WRPB	S	±1°C	0~+1100	±2.5°C	0~600
		±[1+0.003 (t-1100) ]	1100~1600	±0.0025   t	600~1600

**\* Thermal resistance RTD**

Type	RTD Number	Measure range °C	Accuracy Grade	Tolerance error
WZPB	Pt100	-200~+500	A	$\pm(0.15+0.002 t )$
			B	$\pm(0.30+0.006 t )$
WZCB	Cu50 Cu100	-50~+100	-	$\pm(0.30+0.005 t )$

**Explosion Proof:**

Ex-proof Grade	Ex-Proof Certification Number	Certification Body
d II B T4	GYB97151	NEPSI
d II B T4	GYB97152	NEPSI
d II C T4	GYB97203	NEPSI
d II B T5	GYB97204	NEPSI
ia II CT6	GYB99412	NEPSI
ia II CT6	GYB99413	NEPSI

**ORD Information:**

- 1) Type: GE-378-W\_ \_ \_
- 2) RTD or TC Number:
- 3) Ex-proof Grade
- 4) Accuracy Grade for TC or RTD
- 5) Accuracy Grade for Transmitter
- 6) Install Manner: Flange, Thread, or others
- 7) Material for protect pipe: SS316L or SS304, or others
- 8) Length of TC or RTD
- 9) Need Hart, or No Hart