WALL MOUNTING TYPE CONVERTER (20UTPUT)

■ FEATURE

- 2 Isolated output
- Actualization of high accuracy
- AC110V, AC220V Power supply
- Improvement on reliability by hybrid package



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2 OUTPUT SIGNAL ISOLATOR & POWER DISTRIBUTOR

2出力 信號絶緣 變換器 & 傳送器用 電源



This instrument is a high and accurate converter that provides simultaneously all transmitters such as pressure transmitter, flow transmitter, and level transmitter with power supply and signal conversion. Also, It contains overcurrent and overvoltage protection circuit inside.

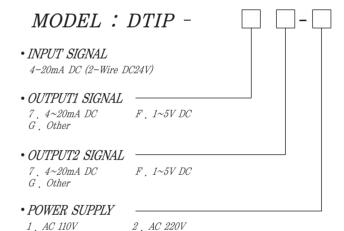
It is totally isolated between input signal from transmitter and output signal of a converter so it does not need extra isolator when the loop is constructed.

It is especially advantageous to construct loop because input and output are separated completely and isolated between two outputs

SPECIFICATIONS

ITEMS	DESCRIPTIONS	
OUTPUT RATING	DC 24V 30mA Max.	
SUPPLY TO X'TR	Riffle: less than 0.1Vp-p	
OUTPUT	DC Current or DC Voltage signal	
ACCURACY	±0.1% Max.	
TEMP. COEFFICIENT	±0.015% / °C	
RESPONSE TIME	Less than 0.5Sec (0~90%)	
INSULATION RESISTANCE	Greater than 100MΩ at DC 500V	
	Input – Power AC 1,500V	
DIELECTRIC - STRENGTH	Input - Output1, Output2 AC 1,500V 1 Minute	
	Input1 - Output2 AC 1,000V	
	AC 110 / 220V ±10%, 50/60Hz	
POWER SUPPLY	ISOLATOR: 4VA	
	POWER DISTRIBUTOR: 5VA	
AMBIENT - TEMP	-5 ~ +55℃ (23 ~ 131 °F)	
HUMIDITY	Less than 90% RH (no condenstation)	
CASE MATERIAL	AL	
COLOR	Black	
WEIGHT	About 500g	
DIMENSION	W42 X H90 X D120mm	
MOUNTING	WALL	

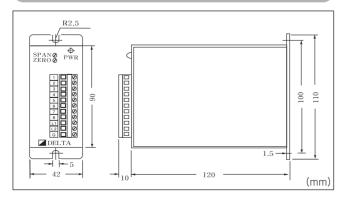
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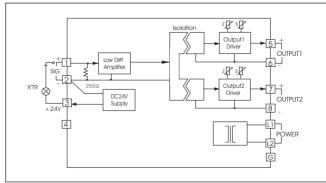


■ OUTPUT LOAD RESISTANCE

I	OUTPUT SIGNAL	LOAD RESISTANCE
	DC 4~20mA DC 1~5V	Less than 6000
	DC 1~3V DC 0~10V	More than $2.5KQ$ More than $5KQ$

DIMENSION





2 ISOLATED OUTPUT R.T.D CONVERTER 2出力 測溫抵抗體 變換器



This instrument is a high and accurate converter that has RTD as an input signal and converts variation of resistance according to the temperature into DC output signal. Also it actualizes high and accurate linearization and compensation of line resistance.

It is especially advantageous to construct loop because input and output are separated completely and isolated between two outputs.

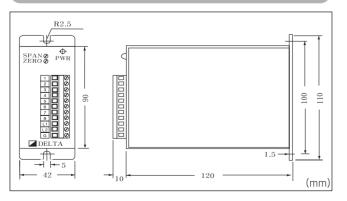
SPECIFICATIONS

ITEMS	DESCRIPTIONS
INPUT	Pt 100Q 3-Wire (Over 50deg) Adjustment needed for 2wire Bulb Permissible resistance of cable less than 10Q
SUPPLY CURRENT TO Pt BULB	DC 2mA
BURN - OUT	Upper Limit
OUTPUT	DC Current or DC Voltage signal
ACCURACY	±0,2% Max.
TEMP, COEFFICIENT	±0.02% / °C
RESPONSE TIME	Less than 0.5Sec (0~90%)
INSULATION RESISTANCE	Greater than 100MΩ at DC 500V
DIELECTRIC - STRENGTH	Input - Power AC 1,500V Input - Output1, Output2 AC 1,500V Input1 - Output2 AC 1,000V Input1 - Output2 AC
POWER SUPPLY	AC 110V / AC220V ±10%, 50/60Hz, 4VA
AMBIENT - TEMP	-5 ~ +55℃ (23 ~ 131 °F)
HUMIDITY	Less than 90% RH (no condenstation)
LINEARLIZER	Standard Function
CASE MATERIAL	AL
COLOR	Black
WEIGHT	About 500g
DIMENSION	W42 X H90 X D120mm
MOUNTING	WALL

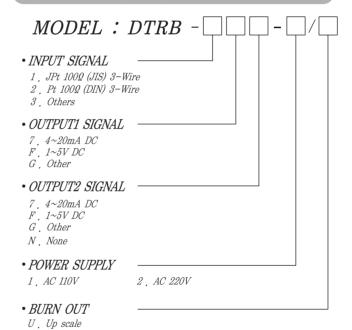
■ STANDARD INPUT RANGE (UNIT: *C)

	(01.11
INPUT	RANGE
Pt 100Ω	0~50, 0~100, 0~150, 0~200, 0~250, 0~300, 0~400 0~500, -20 ~ +80, -50 ~ +50, -50 ~ +150, 50~100 50~150, 100~200, 100~300, 200~400

DIMENSION



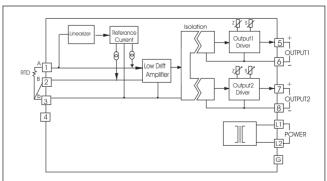
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■ OUTPUT LOAD RESISTANCE

* Please Specify the Input Range When you Order.

OUTPUT SIGNAL	LOAD RESISTANCE
DC 4~20mA	Less than 600Ω
DC 1~5V	More than 2,5KΩ
DC 0~10V	More than 5KΩ



2 ISOLATED OUTPUTS THERMOCOUPLE CONVERTER 2出力 熱電對 變換器



This instrument is a high accurate converter that has various T/C as an input, then coverts it into DC signal through temperature compensation and linear circuit as receiving a signal corresponding to temperature.

It is especially advantageous to construct loop because input and output are separated completely and isolated between two outputs.

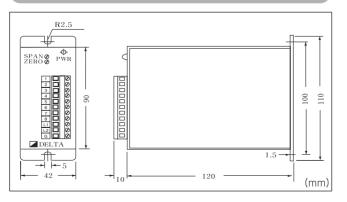
SPECIFICATIONS

ITEMS	DESCRIPTIONS
INPUT	Themocouple (K, J, T, E, B, R, S)
BURN - OUT	Upper Limit
OUTPUT	DC Current or DC Voltage signal
ACCURACY	±0.5% Max.
TEMP, COEFFICIENT	±0.02% / °C
RESPONSE TIME	Less than 0.5Sec (0~90%)
INSULATION RESISTANCE	Greater than 100MQ at DC 500V
DIELECTRIC - STRENGTH	Input - Power AC 1,500V Input - Output1, Output2 AC 1,500V I Minute Input1 - Output2 AC 1,000V
POWER SUPPLY	AC 110V / AC220V ±10%, 50/60Hz, 4VA
AMBIENT - TEMP	-5 ~ +55°C (23 ~ 131 °F)
HUMIDITY	Less than 90% RH (no condenstation)
LINEARLIZER	Standard Function
CASE MATERIAL	AL
COLOR	Black
WEIGHT	About 500g
DIMENSION	W42 X H90 X D120mm
MOUNTING	WALL

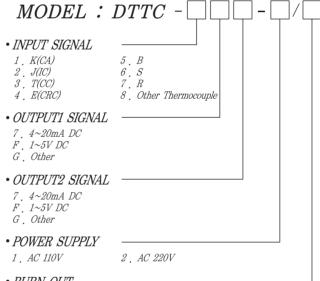
■ STANDARD INPUT RANGE

	(UNII · C)
INPUT	RANGE
K	-50~+100, 0~300, 0~400, 0~500, 0~600 0~800, 0~1000, 0~1200
J	0~200, 0~300, 0~400, 0~800
T	-20~80, 0~100, 0~200
D	COO - 1COO

DIMENSION



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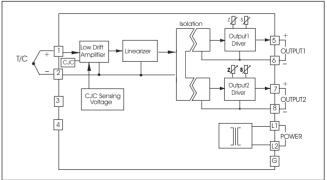
• BURN OUT

U , Up scale

(LINIT · %)

■ OUTPUT LOAD RESISTANCE

OUTPUT SIGNAL	LOAD RESISTANCE
DC 4~20mA	Less than 6000
DC 1~5V	More than 2.5KΩ
DC 0~10V	More than $5KQ$



^{*} Please Specify the Input Range When you Order.

2 ISOLATED OUTPUT POTENTIOMETER CONVERTER 2出力 可變抵抗 變換器



This instrument is a high and accurate converter that has resistance signal of 3 lines potentiometer ($100\Omega \sim 100 \text{ kg}$) as an input, then converts it into DC signals.

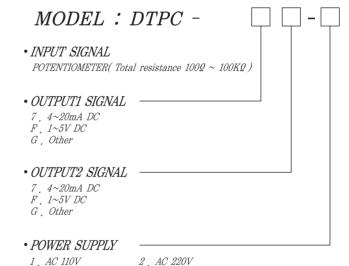
it is widely used for float type water level detector etc, and has hardly mutual interference of zero and span.

It is especially advantageous to construct loop because input and output are separated completly and isolated between two outputs.

SPECIFICATIONS

ITEMS	DESCRIPTIONS
INPUT	Potentiometer (from 100Q ~ 100KQ)
OUTPUT	DC Current or DC Voltage signal
ACCURACY	±0.2% Max.
TEMP, COEFFICIENT	±0.015% / C
RESPONSE TIME	Less than 0.5Sec (0~90%)
INSULATION RESISTANCE	Greater than 100MQ at DC 500V
DIELECTRIC - STRENGTH	Input - Power AC 1,500V Input - Output1 , Output2 AC 1,500V I Minute Input1 - Output2 AC 1,000V
POWER SUPPLY	AC 110V / AC220V ±10%, 50/60Hz, 4VA
AMBIENT - TEMP	-5 ~ +55°C (20 ~ 130 °F)
HUMIDITY	Less than 90% RH (no condenstation)
CASE MATERIAL	AL
COLOR	Black
WEIGHT	About 500g
DIMENSION	W42 X H90 X D120mm
MOUNTING	WALL

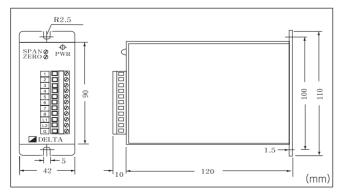
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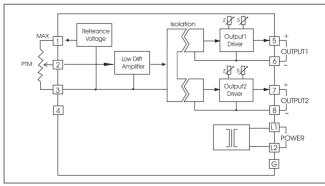


■ OUTPUT LOAD RESISTANCE

OUTPUT SIGNA	L LOAD RESISTANCE
DC 4~20mA	Less than 600Q
DC 1~5V DC 0~10V	More than 2,5 KQ More than 5 KQ

DIMENSION





2 ISOLATED OUTPUT SIGNAL ISOLATOR 2出力 信號絶緣 變換器



This instrument has DC voltage and current as an input signal, then converts and outputs it under the condition that input and output are separated completely.

It especially selects 3ways isolation circuit of whitch input and output are separated by transformer and power and input / output by transformer.

It is high and accurate converter that is suitable to protect a pulse noise and high peak voltage demanded in a computer interface and field instruments.

It is especially advantageous to construct loop because input and output are separated completly and isolated between two outputs.

SPECIFICATIONS

ITEMS	DESCRIPTIONS
INPUT	DC Current or DC Voltage signal
OUTPUT	DC Current or DC Voltage signal
ACCURACY	±0.1% Max.
TEMP, COEFFICIENT	±0.015% / °C
RESPONSE TIME	Less than 0.5Sec (0~90%)
INSULATION RESISTANCE	Greater than 100MΩ at DC 500V
DIELECTRIC - STRENGTH	Input - Power AC 1,500V Input - Output1, Output2 AC 1,500V Input1 - Output2 AC 1,000V Input1 - Output2 AC
POWER SUPPLY	AC 110V / AC220V ±10%, 50/60Hz, 4VA
AMBIENT - TEMP	-5 ~ +55℃ (23 ~ 131 °F)
HUMIDITY	Less than 90% RH (no condenstation)
CASE MATERIAL	AL
COLOR	Black
WEIGHT	About 500g
DIMENSION	W42 X H90 X D120mm
MOUNTING	WALL

ORDERING CODE

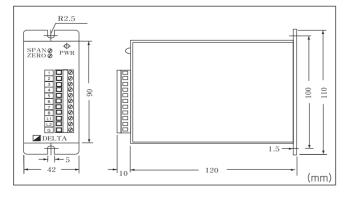
MODEL: I	DTSI - $oxdot$ $oxdot$ $oxdot$ $oxdot$ $oxdot$ $oxdot$
• INPUT SIGNAL 7. 4~20mA DC F. 1~5V DC G. Other	
• OUTPUT1 SIGNAL 7. 4~20mA DC F. 1~5V DC G. Other	
• OUTPUT2 SIGNAL 7 , 4~20mA DC F , 1~5V DC G , Other	
• POWER SUPPLY	

2 . AC 220V

■ OUTPUT LOAD RESISTANCE

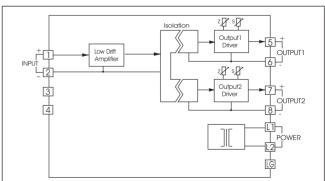
OUTPUT SIGNAL	LOAD RESISTANCE
DC 4~20mA	Less than 600Q
DC 1~5V	More than 2,5KQ
DC 0~10V	More than $5KQ$

DIMENSION



BLOCK DIAGRAM

1 . AC 110V



2 ISOLATED OUTPUT REVERSE CONVERTER 2出力 逆信號 變換器



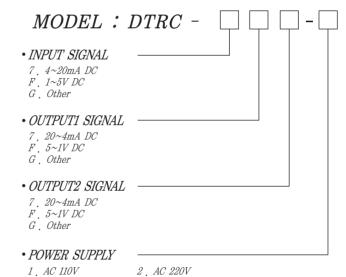
This instrument is a high and accurate converter that has DC voltage and current as an input signal then converts them into reverse signal. It is possible to design loop freely and synthetically using input and output of all instruments.

It is especially advantageous to construct loop because input and output are separated completely and isolated between two output.

SPECIFICATIONS

ITEMS	DESCRIPTIONS	
INPUT	DC Current or DC Voltage signal	
OUTPUT	DC Current or DC Voltage signal	
ACCURACY	±0.1% Max.	
TEMP, COEFFICIENT	±0,015% / C	
RESPONSE TIME	Less than 0.5Sec (0~90%)	
INSULATION RESISTANCE	Greater than 100MQ at DC 500V	
DIELECTRIC - STRENGTH	Input - Power AC 1,500V Input - Output1 , Output2 AC 1,500V I Minute Input1 - Output2 AC 1,000V I	
POWER SUPPLY	AC 110V / AC220V ±10%, 50/60Hz, 4VA	
AMBIENT - TEMP	-5 ~ +55℃ (23 ~ 131 °F)	
HUMIDITY	Less than 90% RH (no condenstation)	
CASE MATERIAL	AL	
COLOR	Black	
WEIGHT	About 500g	
DIMENSION	W42 X H90 X D120mm	
MOUNTING	WALL	

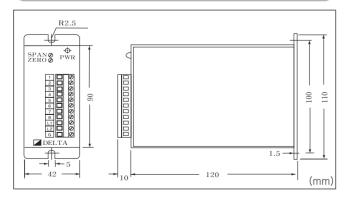
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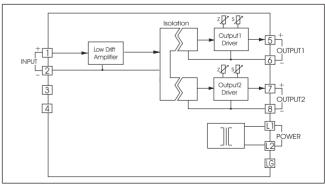


■ OUTPUT LOAD RESISTANCE

OUTPUT SIGNAL	LOAD RESISTANCE
DC 4~20mA	Less than 600Q
DC 1~5V DC 0~10V	More than $2.5KQ$ More than $5KQ$

DIMENSION





2 ISOLATED OUTPUT STRAIN GAUGE CONVERTER 2出力 Strain gauge 變換器



This in strument converts Load cell or strain gauge as an input signal into DC voltage or current. It actualizes a high and accurate performance that residual magnetic voltage selects constant voltage and amplifier circuit select low noise type.

It is especially advantageous to construct loop because input and output are separated completly and isolated between two outputs.

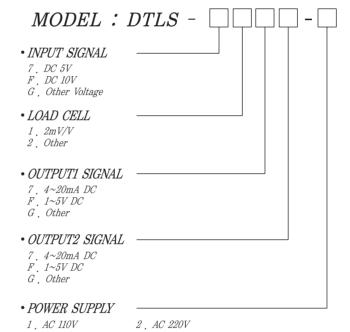
SPECIFICATIONS

ITEMS	DESCR	IPTIONS	5
LOAD CELL TO BE COMBINED	Bridge Resistance 350 $\mathcal Q$ or more rated output Voltage $2mV/V$ and other		
APPLIED VOLTAGE	DC 10V (Standard)		
OUTPUT	DC Current or DC Voltag	re signal	
ACCURACY	±0.2% Max.		
TEMP, COEFFICIENT	±0.02% / °C		
RESPONSE TIME	Less than 0.5Sec (0~90)	%)	
INSULATION RESISTANCE	Greater than 100MΩ at I	OC 500V	
DIELECTRIC - STRENGTH	Input – Power Input – Output1, Output2 Input1 – Output2		1 Minute
POWER SUPPLY	AC 110V / AC220V ±10%, 50/-60Hz, 4VA		
AMBIENT - TEMP	-5 ~ +55°C (23 ~ 131	F)	
HUMIDITY	Less than 90% RH (no condenstation)		
CASE MATERIAL	AL		
COLOR	Black		
WEIGHT	About 500g		
DIMENSION	W42 X H90 X D120mm		
MOUNTING	WALL		

■ OUTPUT LOAD RESISTANCE

OUTPUT SIGNAL	LOAD RESISTANCE
DC 4~20mA DC 1~5V	Less than 600Ω More than 2.5KQ
DC 1~3V DC 0~10V	More than 2,5KΩ More than 5KΩ

ORDERING CODE



DIMENSION

