19" RACK TYPE CONVERTER(10CH)

■ FEATURE

- 1&2 Isolated output
- Solution of inconvenience of maintenance
- Following collective power supply
- Capability of RACK & Wall mounting
- AC110V, AC220V Power supply



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1&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 has provides all transmitters such as pressure transmitter, flow and overvoltage protection circuit inside with power supply and signal conversion.

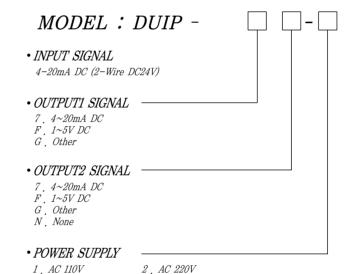
It is totally isolated between input signal from transmitter and output signal of a converter so it does not need extra isolator when the loop is constructed.

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

SPECIFICATIONS

ITEMS	DESCRIPTIONS	5
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, 2 AC 1,500V	1 Minute
	Output1 - Output2 AC 1,000V	
POWER SUPPLY	AC 110 / 220V ±10%, 50/60Hz 5VA	
AMBIENT - TEMP	-5 ~ +55℃ (23 ~ 131 °F)	
HUMIDITY	Less than 90% RH (no condenstation	n)
CASE MATERIAL	AL	
COLOR	Black	
WEIGHT	About 360g	
DIMENSION	W41 X H128,5 X D173mm	
MOUNTING	19 Inch STD, RACK MOUNTING FRA.	ME(DUR-10G)

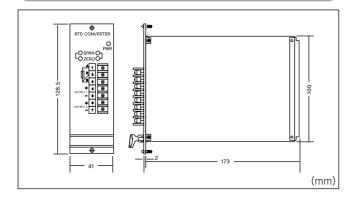
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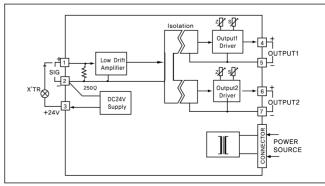


■ OUTPUT LOAD RESISTANCE

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

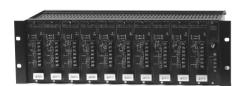
DIMENSION







1&2 OUTPUT R.T.D CONVERTER 1&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.

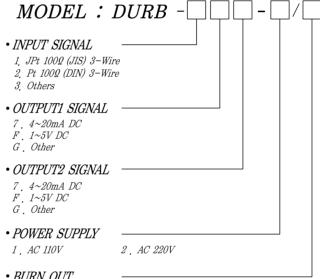
Especially an input and an output are totally separated.

It is isolated between two outputs so it is advantageous when a loop is constructed.

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	Up scale	
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	
	Input – Power AC 1,500V	
DIELECTRIC - STRENGTH	Input - Output1, 2 AC 1,500V 1 Minute	
	Output1 - 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)	
CASE MATERIAL	AL	
COLOR	Black	
WEIGHT	About 360g	
DIMENSION	W41 X H128,5 X D173mm	
MOUNTING	19 Inch STD, RACK MOUNTING FRAME(DUR-10G)	

ORDERING CODE



• BURN OUT

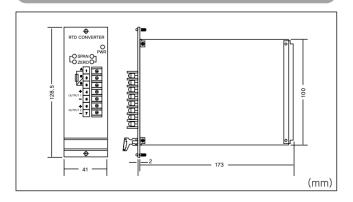
■ STANDARD INPUT RANGE

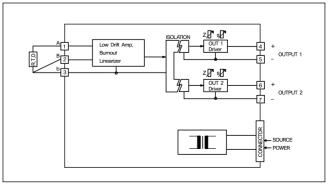
■ STANDARD INPUT RANGE $(UNIT : ^{\circ}C)$		
INPUT	RANGE	
Pt 100Ω	0~50, 0~100, 0~150, 0~200, 0~250, 0~300, 0~400 0~500, -20 ~ +80, -50 ~ +50, -50 ~ +150, 50~100 50~150, 100~200, 100~300, 200~400	

■ OUTPUT LOAD RESISTANCE

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

DIMENSION





U . Up scale

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

1&2 OUTPUT THERMOCOUPLE CONVERTER 1&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.

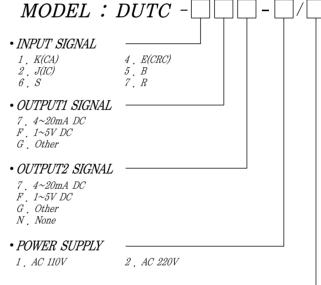
SPECIFICATIONS

ITEMS	DESCR	IPTIONS	S
INPUT	Themocouple (K, J, T, E, B, R, S)		
BURN - OUT	Up scale		
OUTPUT	DC Current or DC Voltag	ge signal	
ACCURACY	±0.3% Max.		
TEMP. COEFFICIENT	±0.02% / °C		
RESPONSE TIME	Less than 0.5Sec (0~90%)		
INSULATION RESISTANCE	Greater than 100MΩ at 1	DC 500V	
		AC 1,500V	
DIELECTRIC - STRENGTH	Input - Output1, 2	AC 1,500V	1 Minute
	Output1 - Output2	AC 1,000V	
POWER SUPPLY	AC 110V / AC220V ±10%, 50/60Hz, 4VA		
AMBIENT - TEMP	-5 ~ +55℃ (23 ~ 131 ℉)		
HUMIDITY	Less than 90% RH (no condenstation)		
CASE MATERIAL	AL		
COLOR	Black		
WEIGHT	About 360g		
DIMENSION	W41 X H128,5 X D173mm		
MOUNTING	19 Inch STD, RACK MO	UNTING FRA	AME(DUR-10G)

■ STANDARD INPUT RANGE

■ STANDARD INPUT RANGE (UNIT: °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	600-1600

ORDERING CODE

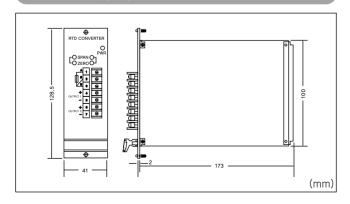


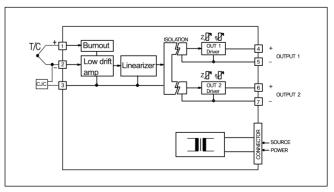
- BURN OUT
- U . Up scale

■ OUTPUT LOAD RESISTANCE

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

DIMENSION





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

1&2 OUTPUT POTENTIOMETER CONVERTER 1&2出力 可變抵抗變換器



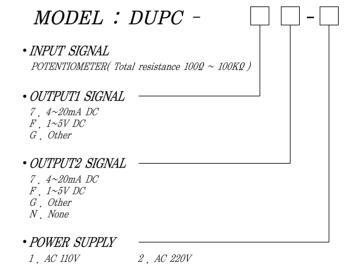
This instrument is a high and accurate converter that has resistance signal of 3 lines potentiometer ($100\Omega \sim 100 \,\mathrm{kg}$) as an input, then converts it into DC signals. it is widely used for float type water level detector etc, and has hardly mutual interference of zero and span.

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 $100Q \sim 100KQ$)	
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 100MΩ at DC 500V	
DIELECTRIC - STRENGTH	Input - Power AC 1,500V Input - Output1, 2 AC 1,500V Output1 - Output2 AC 1,000V 1 Minute	
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 360g	
DIMENSION	W41 X H128,5 X D173mm	
MOUNTING	19 Inch STD, RACK MOUNTING FRAME(DUR-10G)	

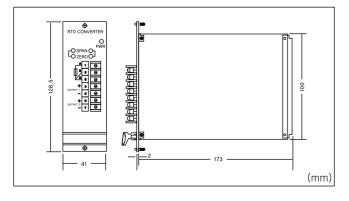
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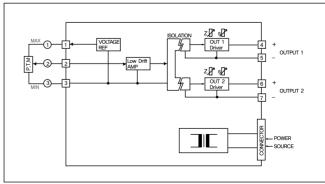


■ OUTPUT LOAD RESISTANCE

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

DIMENSION









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

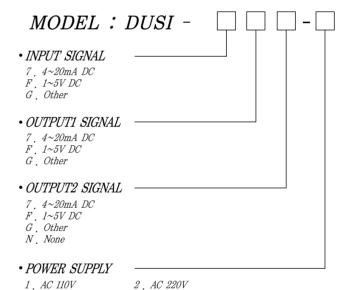
It is high and accurate converter that is suitable to protect a pulse noise and high peak voltage demanded in a computer interface and field instruments.

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 , 2 AC 1,500V I Minute Output1 - Output2 AC 1,000V	
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 360g	
DIMENSION	W41 X H128.5 X D173mm	
MOUNTING	19 Inch STD, RACK MOUNTING FRAME(DUR-10G)	

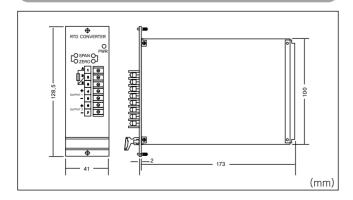
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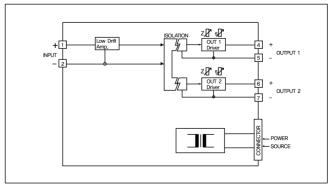


■ OUTPUT LOAD RESISTANCE

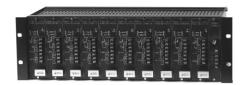
OUTPUT SIGNAL	LOAD RESISTANCE
DC 4~20mA	Less than 6000
DC 1~5V	More than 2,5KQ
DC 0~10V	More than 5KQ

$\overline{DIMENSIO}N$





1&2 OUTPUT REVERSE CONVERTER 1&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.

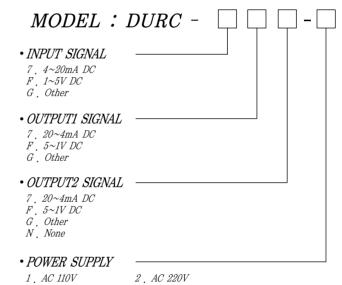
It is possible to design loop freely and synthetically using input and output of all instruments.

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, 2 AC 1,500V 1 Minute Output1 - Output2 AC 1,000V 1
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 360g
DIMENSION	W41 X H128.5 X D173mm
MOUNTING	19 Inch STD, RACK MOUNTING FRAME(DUR-10G)

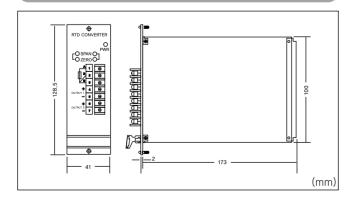
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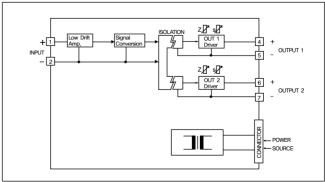


■ OUTPUT LOAD RESISTANCE

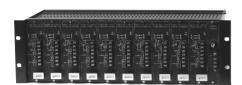
OUTPUT SIGNAL	LOAD RESISTANCE
DC 4~20mA	Less than 6000
DC 1~5V DC 0~10V	More than 2.5KΩ More than 5KΩ

DIMENSION





1&2 OUTPUT STRAIN GAUGE CONVERTER 1&2出力 Strain gauge 變換器



This instrument 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.

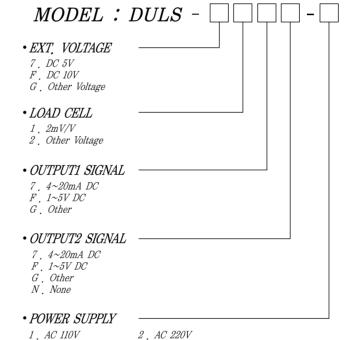
SPECIFICATIONS

ITEMS	DESCRIPTIONS
LOAD CELL TO BE COMBINED	Bridge Resistance 350Q or more rated output Voltage 2mV/V and other
APPLIED VOLTAGE	DC 10V (Standard)
OUTPUT	DC Current or DC Voltage signal
ACCURACY	±0.2% Max.
TEMP, COEFFICIENT	±0.15% / °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 , 2 AC 1,500V Output1 - Output2 AC 1,000V I Minute
POWER SUPPLY	AC 110V / AC220V ±10%, 50/60Hz, 5VA
AMBIENT - TEMP	-5 ~ +55°C (23 ~ 131 °F)
HUMIDITY	Less than 90% RH (no condenstation)
CASE MATERIAL	AL
COLOR	Black
WEIGHT	About 360g
DIMENSION	W41 X H128.5 X D173mm
MOUNTING	19 Inch STD, RACK MOUNTING FRAME(DUR-10G)

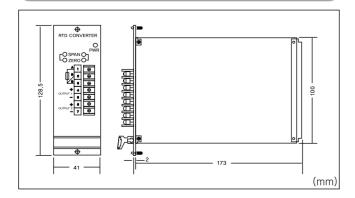
■ OUTPUT LOAD RESISTANCE

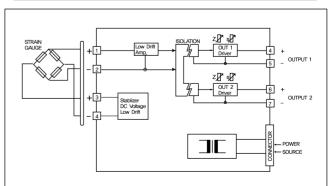
Less than 600Q More than 2,5KQ More than 5KQ

ORDERING CODE



DIMENSION BLOCK DIAGRAM





2 CHANNEL POWER DISTRIBUTOR 2CH 傳送器用 電源 (非絶緣)

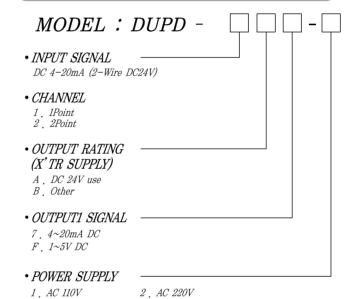


This instrument is a high and accurate converter that has provides all transmitters such as pressure transmitter, a flow transmitter and a level transmitter with power supply and signal conversion. Also it contains a protection circuit for over current and voltage

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	±0.5% Max.
TEMP, COEFFICIENT	±0.02% / °C
RESPONSE TIME	Less than 0.1Sec (0~90%)
INSULATION RESISTANCE	Greater than 100MQ at DC 500V
DIELECTRIC - STRENGTH	Input - Power (ch1, ch2) AC 1,500V
DIBEDETHIC CHERVAIN	Output - Power (cn1, cn2) AC 1,500V -
POWER SUPPLY	AC 110 / 220V ±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 360g
DIMENSION	W41 X H128,5 X D173mm
MOUNTING	19 Inch STD. RACK MOUNTING FRAME(DUR-10G)

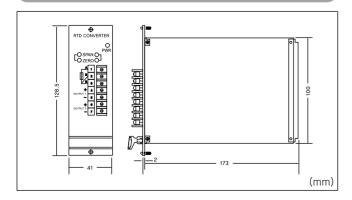
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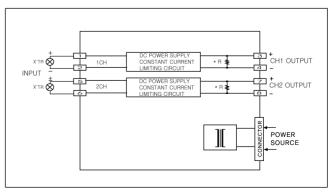


■ OUTPUT LOAD RESISTANCE

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

DIMENSION





19 INCH STD RACK MOUNTING FRAME



This has a 19 Inch STD Rack Mounting Frame structure that mounts up 10 DU-Series simultaneously.

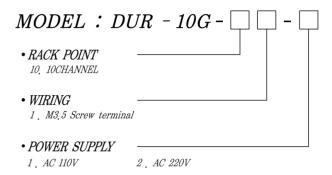
Is provides a power at once.

Rack Mounting and Wall Mounting are possible to use.

SPECIFICATIONS

ITEMS	DESCRIPTIONS
CAPACITY	10 POINT
POWER SUPPLY	Serew Terminals at the right of Rack
INSULATION RESISTANCE	Greater than 100MΩ at DC 500V
AMBIENT - TEMP	-5 ~ +55℃ (23 ~ 131 °F)
HUMIDITY	Less than 90% RH (no condenstation)
CONSTRUCTION	AL metal plates assembly
MOUNTING	EIA standard Rack or surface
CONNECTION	M3 x 6 screw terminals
CASE MATERIAL	AL
COLOR	Black
DIMENSION	W482.8 X H132.5 X D192.5mm
WEIGHT	About 2.2kg

ORDERING CODE



DIMENSION

