General Specifications

2 *ISOLATED OUTPUTS SIGNAL ISOLATOR*

This instrument receives DC voltage and current as input signal and provides conversion output in state that the input & output is separated completely. Especially, input & output has built in photo-coupler and power, input & output have built in 3 way isolation circuit separated by transformer.

This is a high accurate converter which is the most compatible to protection of impulse noise, high peak voltage required from isolation with field instrument, computer interface, etc. Especially, it is advantageous to construct loop as that input & output is separated completely and is isolated between 2 outputs.

SPECIFICATIONS

ITEMS	*DESCRIPTIONS*		
INPUT	*DC signal (Current input to be combined through the application of precise resistor shunt)*		
OUTPUT	*DC Current or DC Voltage Signal*		
ACCURACY	*± 0.1% Max.*		
TEMP. COEFFICIENT	*± 0.015% / °C*		
LINEARITY	*± 0.02% F.S*		
REPEATABILITY	*± 0.02% F.S*		
RESPONSE TIME	*Less than 0.5Sec (0-90%)*		
INSULATION RESISTANCE	*Greater than 100MΩ at DC 500V*		
DIRECTRIC-STRENGTH	*Input-Power*	*AC1,500V*	*1 minute*
	Input-1st Out-2nd Out	*AC1,500V*	
	Input-Ground	*AC1,500V*	
POWER SUPPLY	*AC110V AC220V ± 10% 50-60Hz 4VA*		
AMBIENT-TEMP	*-5~+55°C (20~130°F)*		
HUMIDITY	*Less than 90% RH (no condensation)*		
LINEARLIZER	*Standard function*		
CASE MATERIAL	*AL*		
COLOR	*BLACK*		
WEIGHT	*About 500g*		
DIMENSION	*W42 x H90 x D120mm*		
MOUNTING	*WALL*		
OUTPUT LOAD RESISTANCE	*Refer to Attached Technical Sheet.*		

ORDERING CODE

MODEL : D T S I - □ □ □ - □

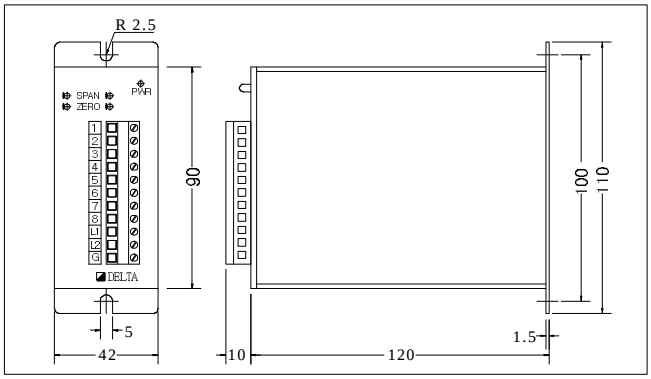
INPUT SIGNAL
- *7 DC 4~20mA*
- *F DC 1~5V*
- *G Others*

1ST OUTPUT SIGNAL
- *7 DC 4~20mA*
- *F DC 1~5V*
- *G Others*

2ND OUTPUT SIGNAL
- *7 DC 4~20mA*
- *F DC 1~5V*
- *G Others*

POWER SUPPLY
- *1 AC 110V 2 AC 220V*

DIMENSION



WIRING DIAGRAM

INPUT			OUTPUT			POWER	
1	+	SIGNAL	5	+	1ST OUTPUT	L1	U(+)
2	−		6	−		L2	V(−)
3		NC	7	+	2ND OUTPUT	G	GND
4			8	−			