General Specifications

2 ISOLATED OUTPUTS SQUARE ROOT CONVERTER

This is a high accurate converter which linearizes, compensates the square root scale of current output corresponding to flow in combination with pressure flow transmitter (D/P transmitter).

As requiring of user, it is possible to change cut off range input & output is separated completely and is isolated between 2 outputs.

■ SPECIFICATIONS

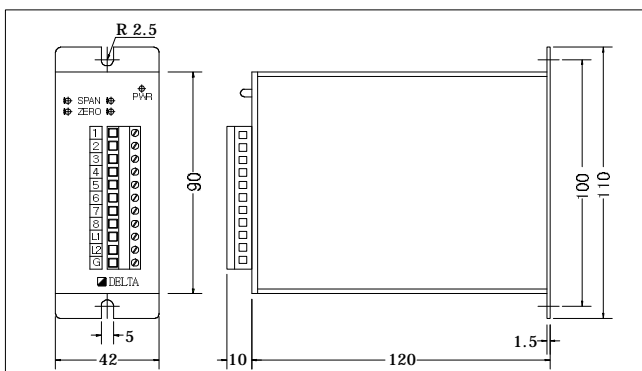| ITEMS	DESCRIPTIONS	
INPUT	DC signal (Current input to be combined through the application of precise resistor shunt)	
OUTPUT	DC Current or DC Voltage Signal	
ACCURACY	¾ 0.2% of span (Output 0% and 20~ 100%)	
	¾ 0.3% of span (Output 0% and 10~ 20%)	
TEMP. COEFFICIENT	¾ 0.02% F.S (Output 0% and 20~ 100%)	
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 ¾ 10% 50-60Hz 4VA	
AMBIENT-TEMP	-5~ +55°C (20~ 130℉)	
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	
STANDARD FUNCTION	The less Output of 10% is forced to be 0% Output by Drop out Circuit	
OUTPUT LOAD RESISTANCE	Refer to Attached Technical Sheet.	

■ ORDERING CODE

MODEL : D T S Q - □ □ □ - □

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