

General Specifications

POWER DISTRIBUTOR WITH SQUARE ROOT EXTRACTOR



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

It is a high accurate converter which adds calculating function of linearizing, compensating the root scale of current output corresponding to flow characteristic.

SPECIFICATIONS

ITEMS	DESCRIPTIONS		
OUTPUT RATING	DC24V (24~ 28V DC) 22mA Max.		
SUPPLY TO XTR	(Ripple : Less than 0.1Vp-p)		
OUTPUT SIGNAL	Square Root		
ACCURACY	¾ 0.2% Max.		
TEMP. COEFFICIENT	¾ 0.015% / °C		
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-Ground	AC1,500V	
POWER SUPPLY	AC110V AC220V ¾ 10% 50-60Hz 4VA		
AMBIENT-TEMP	-5~ + 55°C(20~ 130°F)		
HUMIDITY	Less than 90% RH (no condensation)		
LINEARIZER	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

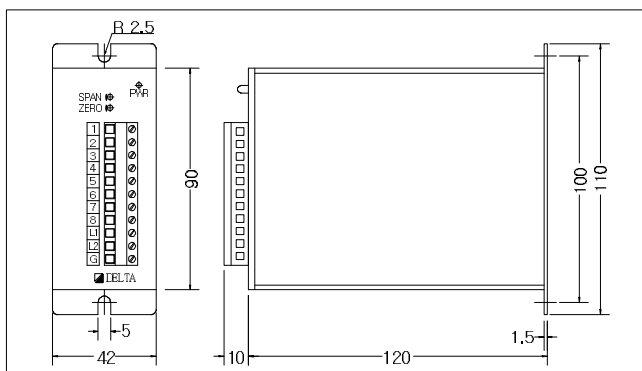
MODEL : D S P Q -

INPUT SIGNAL
4~20mA DC


OUTPUT SIGNAL
7 DC 4~20mA
8 Other Current (Less than 20mA)
F DC 1~5V
G Other Voltage (Less than 12V)

POWER SUPPLY
1 AC 110V
2 AC 220V

DIMENSION



WIRING DIAGRAM

INPUT			OUTPUT			POWER	
1	+	 X'TR	5	+	OUT	L1	U(+)
2	-		6	-		L2	V(-)
3	NC		7	NC		G	GND
4			8				