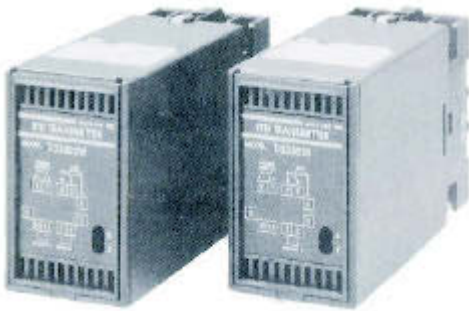


POWER TRANSDUCER

Specifications Common To All Modules



INSULATION RESISTANCE	10M Ω min. (@500V DC) Input-Output-Power	
DIELECTRIC STRENGTH	Input-Output-Power-ground Terminal 2,000V AC for 1 minute.	
ANTI-ILPULSE STRENGTH	5kV, 1.2/50 μ s ec.	
POWER REQUIREMENT	100V AC $\frac{3}{4}$ 10%, 110V AC $\frac{3}{4}$ 10% 200V AC $\frac{3}{4}$ 10%, 220V AC $\frac{3}{4}$ 10%	
POWER INDICATING	Red LED on the front panel lights when powered on.	
OPERATING ENVIRONMENT	Ambient Temperature : -10~55 $^{\circ}$ C Humidity : 40~85% RH (Non-condensation)	
STORAGE TEMPERATURE	-40~70 $^{\circ}$ C	
DIMENSIONS	DS3420/DS3421:W50xH85xD123mm OTHERS:W70xH85xD123mm	
EXTERNAL CONNECTION	M3.5 Screw Terminal equipped with the socket	
MATERIAL	HOUSING	ABS
	P.C.B	Glass fabric, Epocxy Resin

MODEL	ITEM	FEATURE	INPUT SIGNAL	INPUT LOSS	ACCURACY	OUTPUT SIGNAL
DS 3420	RMS OPERATING CT TRANSDUCER	<ul style="list-style-type: none"> Convert instrument CT input to process signal. Performs RMS operation. 	0~1A AC 0~5A AC 0~0.15A AC 0~0.2A AC	0.3VA	$\frac{3}{4}$ 0.5% FS	1~5V, 0~5V, 0~10V, 4~20mA
DS 3421	RMS OPERATING PT TRANSDUCER	<ul style="list-style-type: none"> Convert instrument PT input to process signal. Performs RMS operation. 	0~150V AC 0~150 $\sqrt{3}$ 3V AC 0~300V AC	0.3VA	$\frac{3}{4}$ 0.5% FS	1~5V, 0~5V, 0~10V, 4~20mA
DS 3422	3-PHASE/3-WIRE CT TRANSDUCER	<ul style="list-style-type: none"> Convert input from 2 Instrument CTs to 3 4~20mA Signals Reperssetting Phase T,S and R. Voltage Performs RMS operation. 	0~5A AC	0.5A AC	$\frac{3}{4}$ 0.5% FS	4~20mA x 3
DS 3423	3-PHASE/3-WIRE PT TRANSDUCER	<ul style="list-style-type: none"> Convert input from 2 Instrument PTs to 3 4~20mA Signals Reperssetting Phase T,S and R. Voltage Performs RMS operation. 	0~150V AC	0.3VA/Phase	$\frac{3}{4}$ 0.5% FS	4~20mA x 3
DS 3431	POWER TRANSDUCER	<ul style="list-style-type: none"> Convert input from 2 Instrument PTs to 3 4~20mA Signals Reperssetting Phase T,S and R. Voltage Performs RMS operation. 	AC 110V/1A 220V/1A 110V/5A 220V/5A	0.3VA/Phase	$\frac{3}{4}$ 0.5% FS	1~5V, 0~5V, 0~10V, 4~20mA
DS 3432	REACTIVE POWER TRANSDUCER	<ul style="list-style-type: none"> Accepts input from CTs to PTs, and Output process signal Represetting Reactive Wattage. 	AC 110V/1A 220V/1A 110V/5A 220V/5A	0.3VA/Phase	$\frac{3}{4}$ 0.5% FS	1~5V, 0~5V, 0~10V, 4~20mA
DS 3433	(BALANCED) POWER FACTOR TRANSDUCER	<ul style="list-style-type: none"> Accepts input from CTs to PTs, and Output process signal Represetting Power Factor of Balanced Circuit. 	AC 110V/1A 220V/1A 110V/5A 220V/5A	0.3VA/Phase	$\frac{3}{4}$ 3% FS	1~5V, 0~5V, 0~10V, 4~20mA *measuring range : Lead 0.5~Lag 0.5
DS 3434	(UNBALANCED) POWER FACTOR TRANSDUCER	<ul style="list-style-type: none"> Accepts input from CTs to PTs, and Output process signal Represetting Power Factor of Unbalanced Circuit. 	AC 110V/1A 220V/1A 110V/5A 220V/5A	0.3VA/Phase	$\frac{3}{4}$ 3% FS	1~5V, 0~5V, 0~10V, 4~20mA *measuring range : Lead 0.5~Lag 0.5
DS 3435	FREQUENCY TRANSDUCER	<ul style="list-style-type: none"> Accepts input from PTs and Output process signal Represetting Frequency. 	110V AC, 220V AC	0.3VA	$\frac{3}{4}$ 0.5% FS	1~5V, 0~5V, 0~10V, 4~20mA