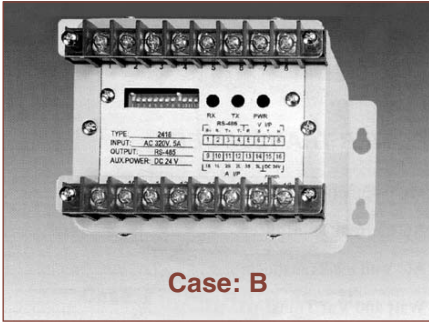


MULTI-FUNCTION TRANSDUCER

TD2418B



FEATURES

- Precision True-RMS measurement even for distorted waves
- High immunity to external noise
- RS485 standard communication interface output
- Auto calibration from computer
- Maximum and Minimum function
- Power supply is AC 90V ~ 260V, 50/60Hz

The TD2418B is a micro-process based transducer with a 16 bits CPU (Center process unit) and equipped with full-digitized measuring, calibrating and output functions.

TD2418B not only can take the place of several static converters and measuring (V,A, W, PF, VAR, WH, VARH, Hz) by single unit, but also have some special function such as Maximum measuring, Minimum measuring and comparator output. In communication, we use the most convenient and the easiest RS232 or RS485 as our standard output port, besides, we adopt Modbus® Protocol, one for the most popular protocol in the world, as our standard protocol.

Specifications

Accuracy:	(at 23 ± 5°C sine wave)	CT, PT scaling factors	1 ~ 9999
Voltage	± 0.1% of reading ± 0.15% of range	Setting for REF	0.800 ~ 1.200
Current	± 0.1% of reading ± 0.15% of range	Operating temp.	0 ~ 60°C
Watt	± 0.2% of reading ± 0.3% of range	Storage temp.	-10 ~ 70°C
Var	± 0.2% of reading ± 0.3% of range	Temp. coefficient	≤ 100PPM/°C (≤ 60PPM/°C, 25°C ± 10°C)
Power factor	± 0.5% of reading	Max. relative humidity	95%
PF polarity	"+" lagging, "-" leading	Dielectric strength	AC 2KV/1min. (input / output / power) AC 2.8KV/1min. (input / output / power / case)
Watt hour	± 0.25% of reading ± 1 Count	Surge test	4 KV/1.2 X 50μS, IEC 255-4
Var hour:	± 0.4% of reading ± 1 Count	Housing material	ABS Resin (94V ~ 0)
Hz	± 0.2% of reading	Mounting	Rail 35mm
Max. input over capability	Amp. 10A continuous 50A for 5 sec Volt. 750V continuous	Protocol	MODBUS, RTU
Conversion rate: (about)	1/sec.	Baud rate	9600
Input burden	Volt. input ≤ 0.2 VA/phase Amp. input ≤ 0.2 VA/phase	Address range	2 ⁰ ~ 2 ⁷ (Hex)
Line voltage range	35V ~ 600V	Watt-hour data back-up time	1000 Hours
Phase voltage range	20V ~ 346V	Aux. power	AC90 ~ 260V, 50/60Hz DC24V, 48V, 110V ± 20% (option)
Current range	50mA ~ 5A	Power consumption	AC6VA, DC5W)
Power factor range	± 0.5 ~ ± 1	Weight (about)	1.1kg
Frequency range	45 ~ 65Hz		

Ordering Informations

