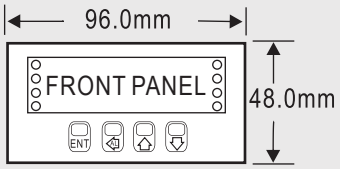
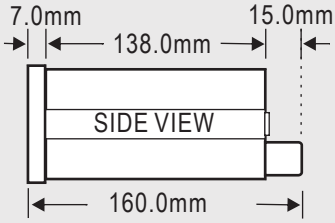
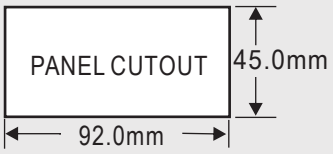
DCbox

4 1/2 DIGITAL MICRO-PROCESS Watt / Var / Power Factor / Phase Angle METER with 1~2 ALARMS / ANALOG OUTPUT / RS-485

DC5P-F







- Accuracy: ±0.25% F.S. ±1 digit
- Measuring AC Watt / Var / Power Factor / Phase Angle
- High brightness 0.8" LED display range: -19999~19999; decimal point selectable
- Display range programmable
- 1~2 Alarms (Hi or Lo) programmable / Analog output (15 bit resolution) / RS-485 communication optional (The above options can exist together)
- High stability, non-flammable case (PC), high safety
- CE approval

SPECIFICATION

◆Accuracy:	± 0.25% F.S. ±1 digit
◆Display Screen:	High brightness red LED; 20.3mm(0.8")
◆Sampling Cycle:	16 cycles / sec (AVG=1)
◆Display Range:	-19999~19999
◆Zero Adjustment:	-19999~19999
◆Over Range Indication:	doFL / ioFL or -doFL / -ioFL
◆Polarity Indication:	Automatic with "-" indication
◆Parameters Setting:	Push buttons
◆Back Up Memory:	EEPROM
◆Alarm Action:	"≧(Hi) on" or "< (Lo) on"
◆Alarm Hysteresis Range:	0~999
◆Alarm Run Delay Time:	0~99 sec
◆Relay Contact:	AC 277V / 7A; DC 30V / 7A
◆Analog Output Resolution:	15 bit
◆Output Response Time:	<250 msec (0~90%)
◆Output Capability:	Voltage Output: <20mA Current Output: <10V
◆Communication:	RS-485 Modbus RTU mode
◆Baud Rate:	38400 / 19200 / 9600 / 4800 bps

◆Parity Check:	n.8.2. / n.8.1. / odd /even
◆Temperature Coefficient:	100ppm / ℃ (0~60℃)
◆Operating Temperature:	0~60℃
◆Operating Humidity:	20~90% RH (non-condensing)
◆Storage Temperature:	-10~70℃
◆Storage Humidity:	20~90% RH (non-condensing)
◆Power Supply:	AC/DC 100~240V; DC 22~60V
◆Power Consumption:	8.5VA (all functions output)
◆Surge Test:	2KVac / 1min (Input / Power)
◆Input Impendence:	Voltage: >2V for 20KΩ / V; ≦2V for >200MΩ Current: ≧0.2A at 100mV; <0.2A at 1V
◆Safety:	IEC 61000-4-2 IEC 61000-4-3 IEC 61000-4-4 IEC 61000-4-5 IEC 61000-4-6 IEC 61000-4-8 IEC 61000-4-11
◆Dimensions:	96(W)*48(H)*160(D) mm
◆Weight:	About 500 g

ORDER INFORMATION

DC5P-F [Code 1] - [Code 2] [Code 3] [Code4] [Code 5] - [Code 6] - [Code 7] [Code 8] [Code 9]

Code 1	Input Type
W	Watt
V	Var
C	Power Factor
A	Phase Angle

Code 2	Connection
1	1φ2W
2	1φ3W
3	3φ3W
4	3φ4W

Code 3	Input Volt
1	0~120V
2	0~240V
3	0~480V
O	Option

Code 4	Input Amp
1	0~1A
2	0~5A
O	Option

Code 5	Frequency
4	400Hz
5	50Hz
6	60Hz
O	Option

Code 6	Aux. Power
A	AC/DC 100~240V
B	DC 12V
C	DC 22~60V
D	DC 30V~90V

Code 7	Alarm Output
N	None
R1	1 Relay
R2	2 Relays
O1	1 Open Collect
O2	2 Open Collect

Code 8	Analog Output
N	None
A	4~20mA
V	0~10V
O	Option

Code 9	RS-485
N	None
Y	Yes

WIRING CONNECTION

Watt / Var	Power Factor / Phase Angle
●1φ2 W Watt	●1φ2 W Power Factor / Phase Angle
●1φ2 W Var	●3φ3 W (1φ3W) Power Factor / Phase Angle
●3φ3 W (1φ3W) Watt / Var	●3φ4 W Power Factor / Phase Angle
●3φ4 W Watt / Var