

DIGITAL PANEL METER

General Specification



Digital Panel Meter 96X48

Insulation

- Insulation resistance at DC500V 100MΩ
- Withstand voltage 2kV for 1minutes between all terminals
- Lightning impulse voltage 1,2/50μs 4,5kV

Display and Rating

- Display range : 1999 4digit – LED 7 segment
- Digit height : 14,22mm
- Color : Red
- Aux. power : AC 110/220V
- Frequency : 50/60Hz
- Outside dim. : 96 X 48 X 112mm
- Response time : less than 500ms

Standard operating condition

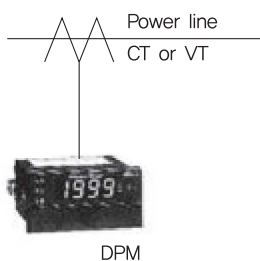
- Temperature 0~50°C
- Humidity 5~85%
- Aux. supply ± 10%
- Power harmonic sine wave 10%

Temperature

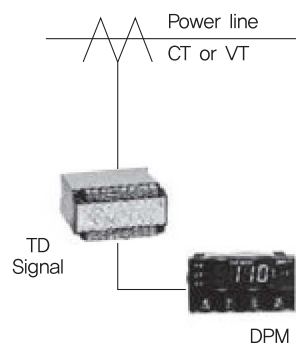
- Operating Temperature 0 ~ 50°C
- Storage Temperature -20 ~ +70°C

Example of application

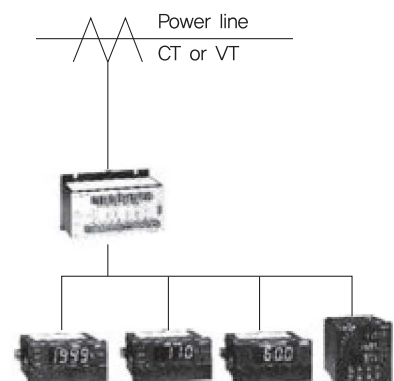
Direct type



With TD type (Analog)




Communication type



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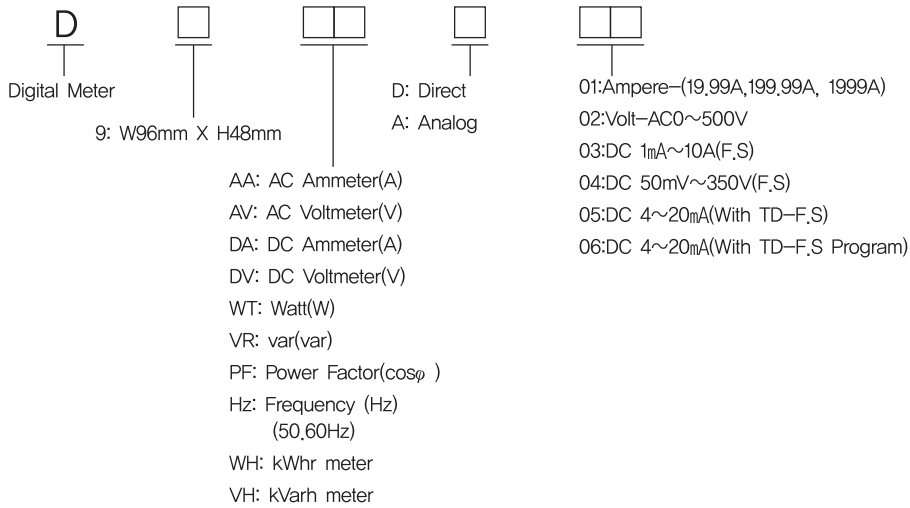
Specification

Commercial type Panel Board Meter 96X48mm – DIN std.

Part Name	Digital Panel Meter		
Front View			
Type	AC – A,V	DC – A,V	Hz
Connection	CT or VT	Direct, others	VT
Input	A: 0,1 ~ 10A V: 1~500V	A: 1mA ~ 10A V: 50mV ~ 350	AC 50 ~ 300V V40 ~ 70kHz
Input burden	Under 0,3 VA	A: 0,2V drop C: Over 10M Ω	Under 0,3 VA
Aux. power	Under AC 110/220 \pm 15%, 50/60 Hz 3VA		
Aux. power burden	Under 3VA		
Display resolution	1,999 / 0,001, 19,99 / 0,01, 199,9 / 0,1, 1999 / 1 step		
Response time	Under 1 sec		
Accuracy	\pm 0,5% + 1digit		
Display range	1999 4 digit – LED 7 segment		
Display color	Red		
Terminal withstand capability	Current : for 5sec 20 X In Voltage : for 5sec 1,5 X Vn		
Temperature	Operating temperature 0 ~ 50°C RH < 95% Storage temperature -20 ~ +70 °C		
Mounting	Flush mounted type		
Insulation resistance	DC 500V Megger 100M Ω more – between all terminals		
Withstand voltage	2kV for 1 minute – between all terminals		
Lighting impulse withstand voltage	1,2 / 50 μ s 4,5kV		
Vibration	Vibration frequency : 163,7Hz Double amplitude : 0,4mm Direction : horizontal, vertical, transverse		
Shock	Shock acceleration : 50G Shock application direction : horizontal, vertical, transverse Shock times : 3 times		
Weight	350g		

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Ordering code



Digital Panel Meter 96X48mm

AC Ammeter

Ordering Procedure

Model	Display	Connection	Accuracy	Aux.Power
D9AA-D01	19,99A, 199,9A, 1999A (input 5A)	direct	0,5% or 1digit	AC110/220V, 50/60Hz
D9AA-D05	1999, 9999 (4~20mA)	with T/D - FS	0,5% or 1digit	AC110/220V, 50/60Hz

AC Voltmeter

Ordering Procedure

Model	Display	Connection	Accuracy	Aux.Power
D9AV-D02	19,99V, 199,9V, 1999V (input Max 500V)	direct	0,5% or 1digit	AC110/220V, 50/60Hz
D9AV-D05	1999, 9999 (4~20mA)	with T/D - FS	0,5% or 1digit	AC110/220V, 50/60Hz

DC Ammeter

Odering Procedure

Model	Display	Connection	Accuracy	Aux.Power
D9DA-D03	19.99A, 199.9A, 1999A (input 1mA~10A)	direct	0.5% or 1digit	AC110/220V, 50/60Hz
D9DA-D05	1999, 9999A (4~20mA)	with T/D – FS	0.5% or 1digit	AC110/220V, 50/60Hz

AC Voltmeter

Odering Procedure

Model	Display	Connection	Accuracy	Aux.Power
D9DV-D04	19.99V, 199.9V, 1999V (50mV~350V)	direc	0.5% or 1digit	AC110/220V, 50/60Hz
D9DV-A05	1999, 9999 (4~20mA)	with T/D – FS	0.5% or 1digit	AC110/220V, 50/60Hz

Watt, var, Power Factor-meter

Odering Procedure

item	Model	Display	Connection	Accuracy	Aux.Power
Watt	D9WT-A05	1999, 9999kW (4~20mA)	with T/D	0.5% or 1digit	AC110/220V 50/60Hz
	D9WT-A06	0~999.9kW (4~20mA) Program setting			
Var	D9RT-A05	1999, 9999kW (4~20mA)	with T/D	0.5% or 1digit	AC110/220V 50/60Hz
	D9RT-A06	0~999.9kW (4~20mA) Program setting			
PF [cosφ]	D9PF-A05	4mA(-0.5)~12mA(1)~20mA(0.5) 4~20mA	with T/D	0.5% or 1digit	AC110/220V 50/60Hz
	D9PF-A06	4mA(-0.5)~12mA(1)~20mA(0.5) 4~20mA Program set			

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Hz meter

Odering Procedure

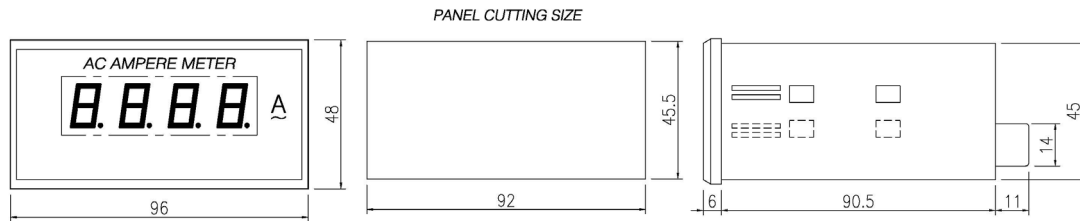
Model	Display	Connection	Accuracy	Aux.Power
D9HZ-D02	50Hz:40~60Hz 60Hz:50~70Hz(AC110)	direct (Max 300V)	0.5% or 1digit	AC110/220V, 50/60Hz
D9HZ-D05	50Hz:40~60Hz 60Hz:50~70Hz(4~20mA)	with T/D - FS	0.5% or 1digit	AC110/220V, 50/60Hz

kWhr, kvarh meter

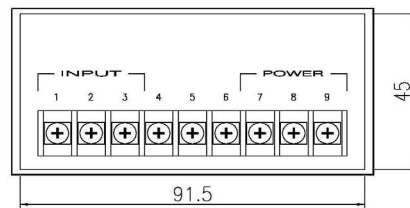
Odering Procedure

Model	Display	Connection	Aux.Power
D9WH-A08	999999 count	with T/D (dry contact)	AC110/220V
D9WH-A08	999999 count	with T/D (dry contact)	AC110/220V

Dimension



Terminal connection



Wiring

