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Membership Registration

Digital Panel Meter

Application Guide

Product list
F3 (Process Input)
F3 (Strain Gauge Input)
F4/F5 (Process Input)
F4/F5 (Strain Gauge Input)
F6 (Process Input)
F6 (Strain Gauge Input)
F8/F9 (Process Input)
F8/F9 (Strain Gauge Input)
VW2
VSM3
VSM3B
VMM7 (Process Input)
VMM7 (Strain Gauge Input)
VMM6 (Process Input)
VMM6 (Strain Gauge Input)
RV2/CV2
RV3/CV3
RBC
VPRHS(VS)-U
VLGM
VLGM3
VGM5

Product search Search by spec. | Search by model | VPRT, F3, etc. (Series name)

Manual | Drawing [DXF]

DIN48×96 Square type Digital Panel Meter

VPRHS(VS)-U series



- Setting output can be selected between relay and photo-MOS relay.
- Horizontal type (3½ digits) and vertical type (3 digits) are available in DIN sizes.
- Selectable from among 4 analog outputs.
- Power converter built in.

Input signal	Specify among 4 to 20mA (2-wire, 4-wire), 1 to 5V, 0 to 5V, 0 to 10V.
Sensor specifications	Select from Pressure Sensor Analog output type.
Use	Pressure sensor series ranging from low pressure, absolute pressure, and medium-to-high pressure up to 100 MPa are available.

Specifications

Display	±1999 3½ Digit (Horizontal type), 999 3 Digit (Vertical type) Red LED (letters height 15mm)
Sampling time	4 times/sec(Standard)1– Can be set in the range of 1 to 10 times/s. (Refer to option spec.)
Accuracy	±0.05%F.S.±1digit
Operating temperature	−10–55°C (No freezing)
Operating humidity	0–90%RH (No condensation)
Dimensions	Vertical type: 48(W)×96(H)×127 (D: Protrusions not included) Horizontal type: 96(W)×48(H)×127 (D: Protrusions not included)
Weight	Approx. 400g (Varies with specification)
Accessories	Operation manual (1 copy) (Specify English or Japanese.) Test report (1 copy)

Model Selection

- VGMH
- VGM
- VGM2
- VGM2A/B
- VGM4
- VWM6A
- VWM30R
- VWM8C
- VPMC (Analog Output)
- VPMC (Comparison Setting Output)
- VPC (Analog/BCD Output)
- VPC (Comparison Setting Output)
- VPRH(V)-U
- VPS (Analog/BCD output)
- VPS (Arithmetic function)
- VPXM
- AD105D
- VPJ
- Power Converter
- Accessories (Amplifier)
- Options (Amplifier)
- Caution
- Traceability
- Spec Change & Discontinued Models

	①Model	②Horizontal/ Vertical		③Output		④Number of Setting Outputs		⑤Output type	
Example	VPR	②	—	③	—	④	(	⑤	)—

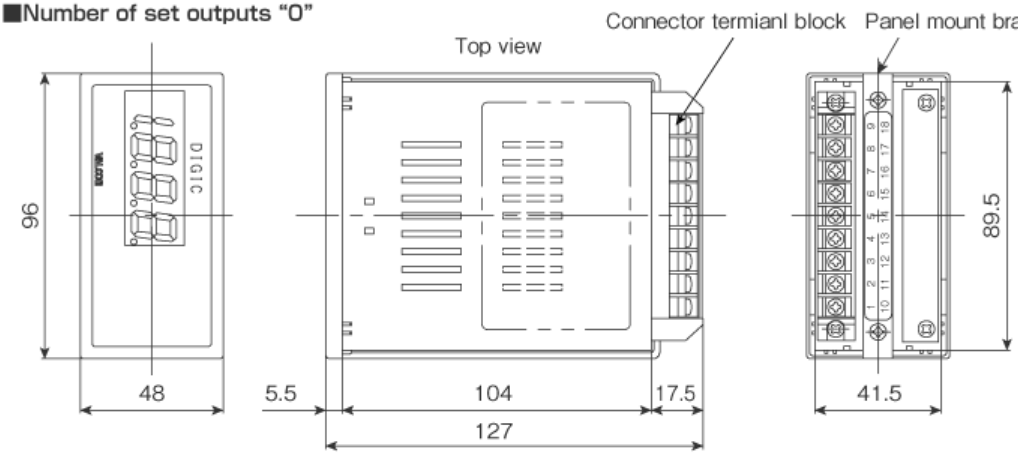
⑥Display Range	Unit		⑦Input Signal		⑧Peak Hold		⑨Power		⑩Auto-zero		⑪Indication Conversion Rate
(⑥	Unit	)—	⑦	—	⑧	—	⑨	U —	⑩		⑪

Selection	Cheak	Model	Specifications		
1.Model	○	VPR	DIN48×96 Square type Digital Panel Meter		
2.Horizontal/Vertical		HS	Horizontal type panel mount		
		VS	Vertical type panel mount		
3.Analog output *Consult us if you prefer analog output 0–10 V.	-	-	Output type	Response time	Safe load resistance
		Blank	None	-	-
		A1	1mV/digit	Approx. 10msec. (63% response)	10kΩ or more (Output impedance 100Ω)
		A2	1–5V		
		A3	4–20mA		250kΩ or less
		A4	0–5V		10kΩ or more (Output impedance 100Ω)
4.Number of setting outputs	-	-	Output type	Response time	Permission load
		0S	None	-	-
		1S	1-setting/Relay output type	Approx. 60msec. (63% response)	AC250V 4A
		1SO	1-setting/PhotoMOS relay output type	Approx. 50msec. (63% response)	AC/DC250V 0.1A
		2S	2-setting/Relay output type	Approx. 60msec. (63% response)	AC250V 4A
		2SO	2-setting/PhotoMOS relay output type	Approx. 50msec. (63% response)	AC/DC250V 0.1A
5.Output type		H	Hi/Low: Enter H or L Setting1: ( ) Setting2: ( )		
		L			
6.Display range			VPRHS: Specify in the range of MAX. ±1999		
			VPRVS: Specify in the range of ±999		
7.Input signal		A2	1–5V		
		A3	4–20mA (4-wire) *Available only when Power is 4		
		A4	0–5V		
		A5	0–10V		
		A6	4–20mA (2-wire)		
8.Peak holding (Optional		Blank	Without Peak-holding		
		P	With Peak-holding *Not available if comparative setting output is 0S		
9.Power supply [Current consumpiton]		1	AC100V[2VA]	Power supply to VALCOM pressure transmitters	
		11	AC110V[2VA]	12V DC is supplied from this converter. Specify 5 as the power for the pressure transmitter to be used.	
		2	AC200V [2VA]		
		22	AC220V [2VA]		
		4	DC24V [100mA]		
10.Auto-zeroing (Optional)		Blank	Without Auto-zeroing		
		Z	With Auto-zeroing *Not available if comparative setting output is 0S		
11.Indication conversion rate (Optional)			Indication conversion rate Standard 4 times/sec option (times/sec) *Specify in the range of 1–10 times/s.		

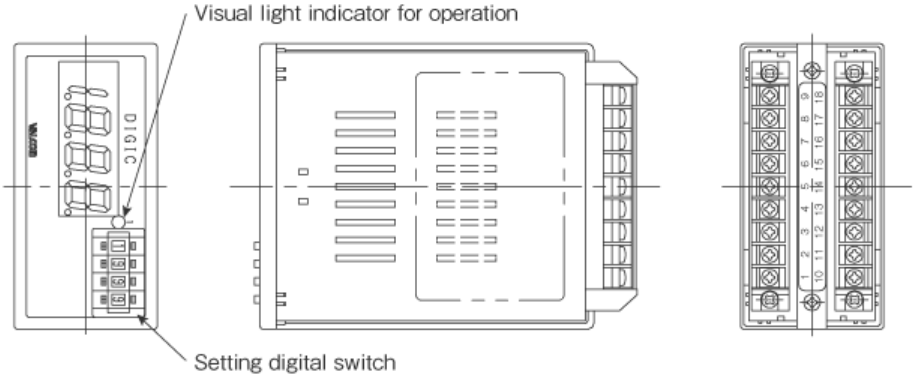
Dimensions (Unit: mm)

●VPRHS-U type

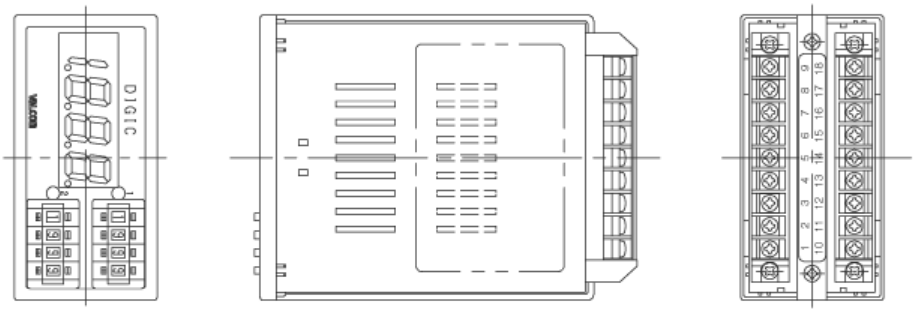
■Number of set outputs "0"



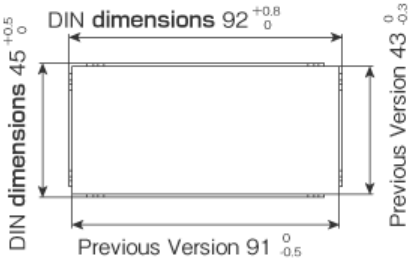
■Number of set outputs "1"



■Number of set outputs "2"



Panel cut dimensions

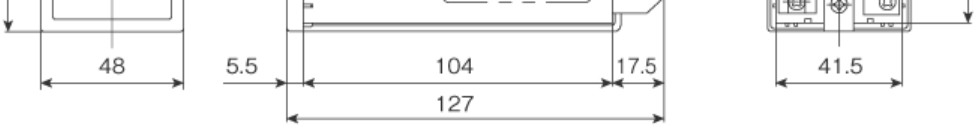


※Cut the spacers when you use this product with the dimensions described as below

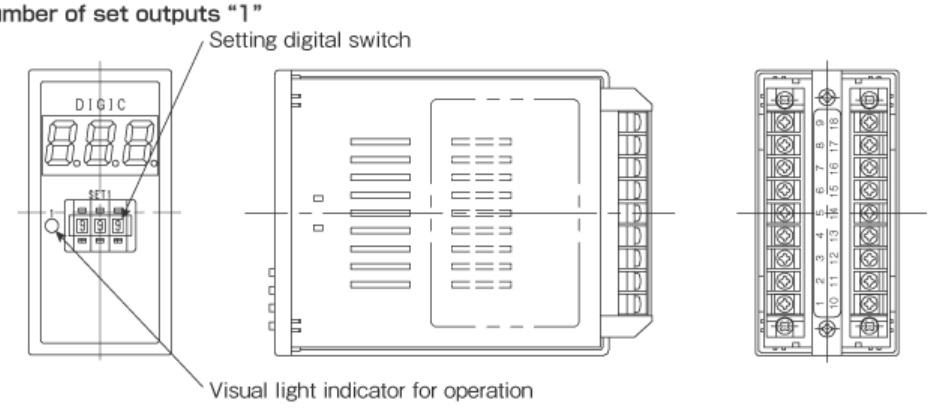
●VPRVS-U type

■Number of set outputs "0"

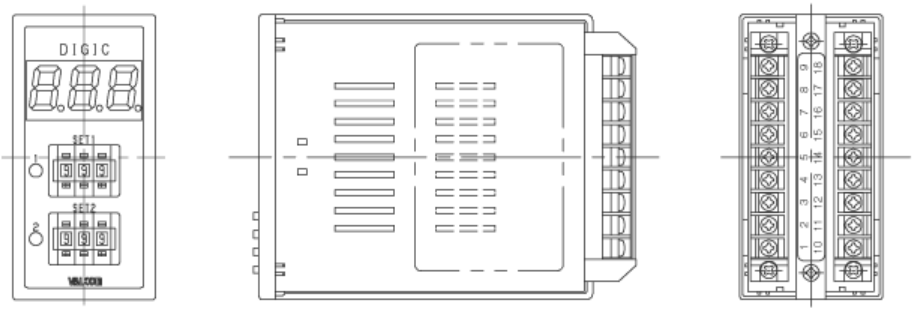




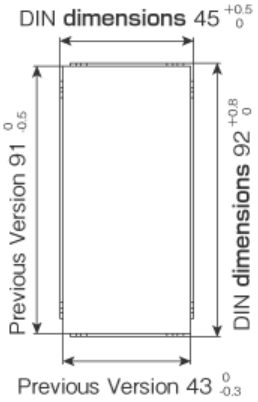
■Number of set outputs "1"



■Number of set outputs "2"



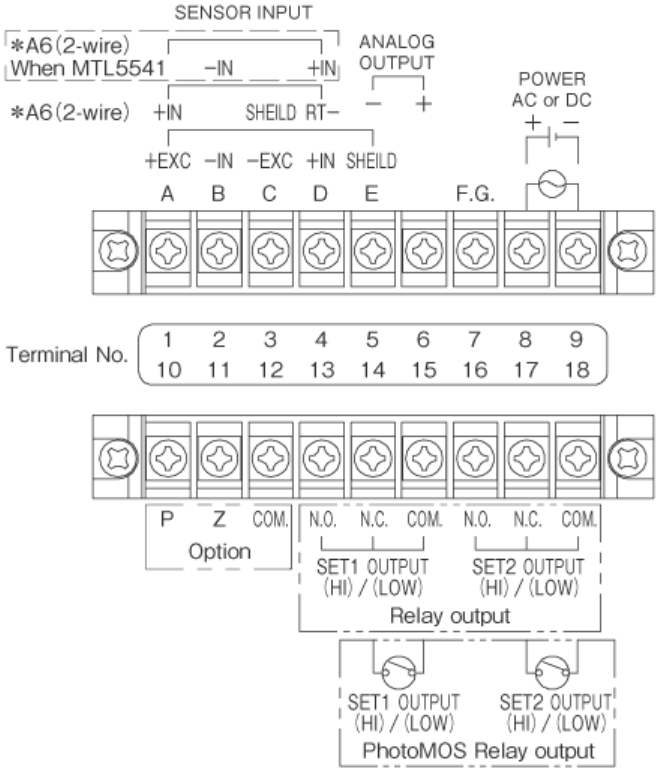
Panel cut dimensions



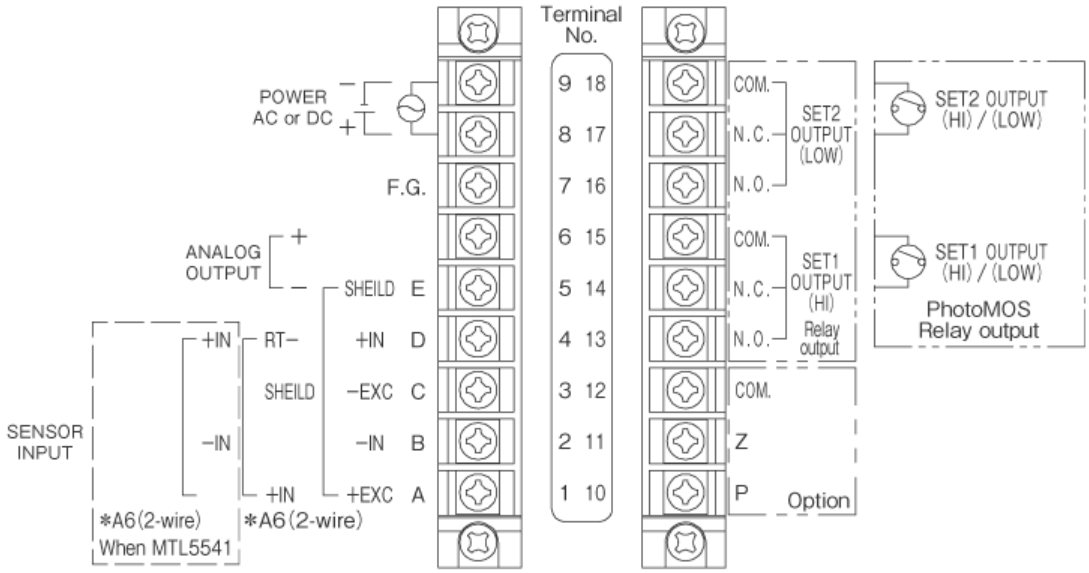
※Cut the spacers when you use this product with the dimensions described as below

Terminal connection

●VPRHS-U type



●VPRVS-U type



Manual | Drawing [DXF] | Inquiry

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