



METER SELECTOR MODEL SU1352

GENERAL SPECIFICATION
GS.No.GEF217E-2

■ GENERAL

On comparison of the flowrate measured by a large size flowmeter against a preset flowrate, the meter selector opens or closes the control valve and, at the same time, in response to a full-closure signal from the control valve, selectively allows the right pulse signal either from that flowmeter or a smaller one operating in tandem to appear at the output. This device is used in a system configured as shown in the diagram below.

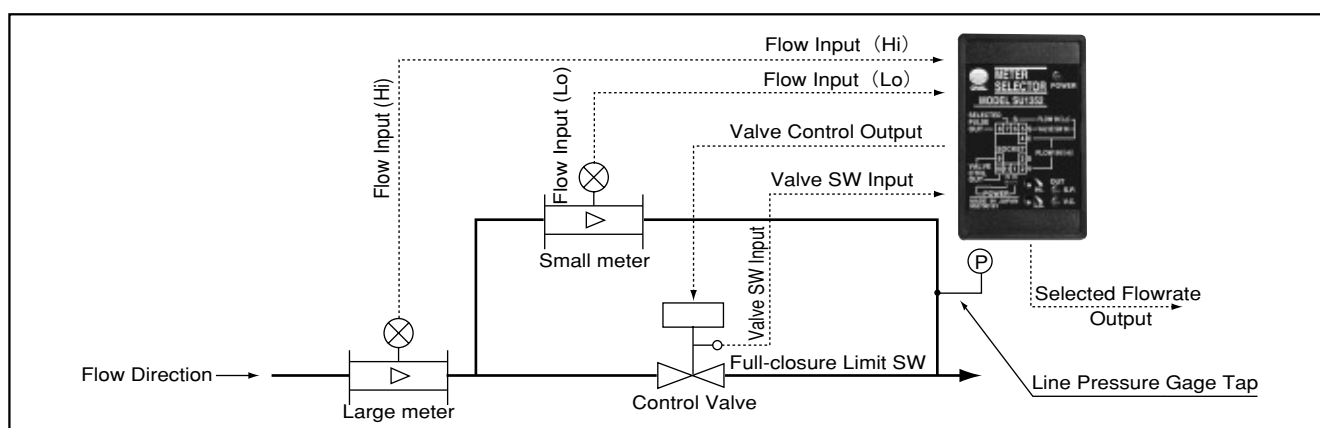
Using two flowmeters, large and small in capacity and flow range, with some range overlap, and a control valve to open or close the bypass line, a system in this configuration automatically selects, relative to the momentary flowrate, the right flowmeter optimally matched to handle that flowrate, thereby expanding the available overall flow range while maintaining the stated meter accuracy of individual meters.



■ FEATURES

1. Expands flowmeter range.
2. Contains a power supply to pulse generator and transmitter of companion flowmeters.
3. Accepts voltages 85 to 265VAC in the AC powered model. (20 to 30VDC in the DC model)
4. Compactly built plug-in design for ease of service.

■ BLOCK DIAGRAM



Архангельск (8182)63-90-72
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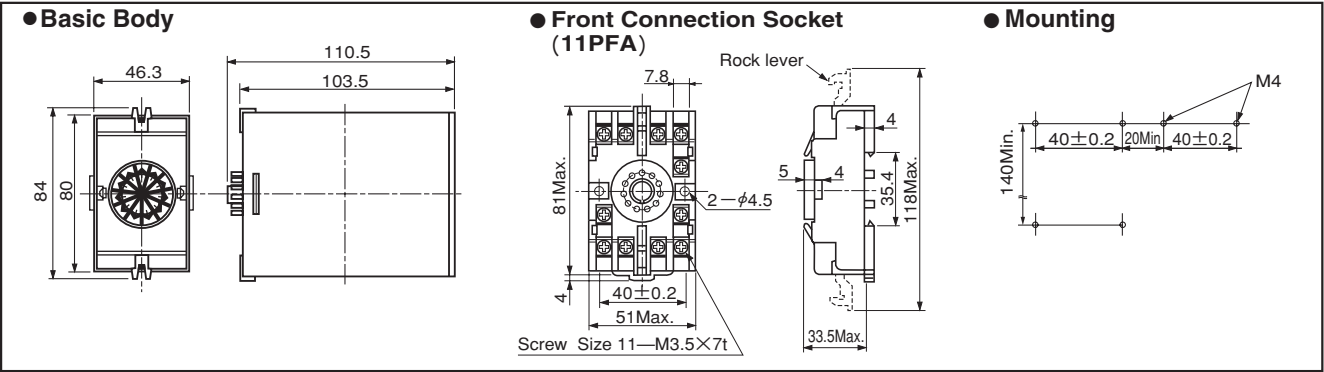
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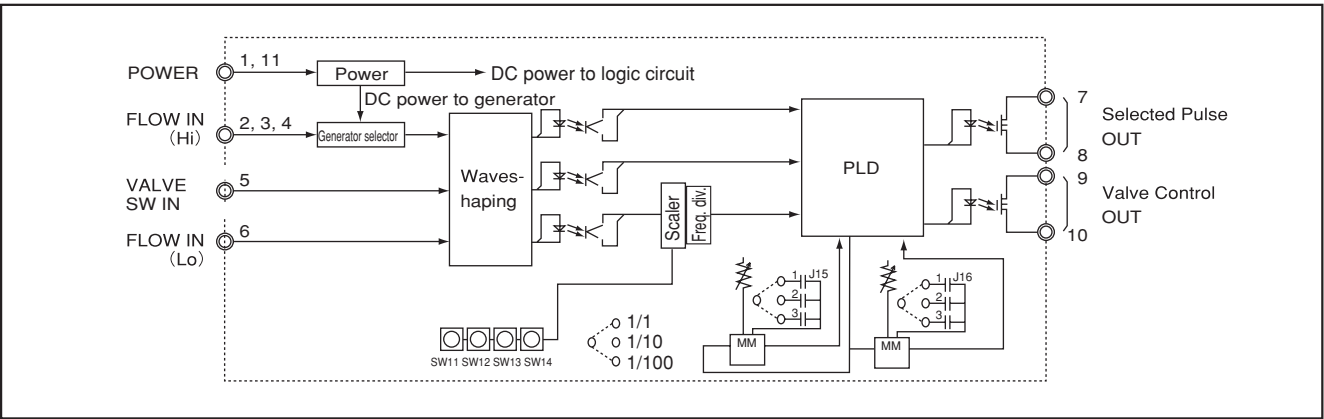
MODEL CODE NUMBER

Item	Product Code						Supplementary Code						Description
	①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫	
Model	S	U	1	3	5	2	—						METER SELECTOR
Power							6						20 to 30VDC
							7						85 to 264VAC 50/60Hz
Flow input								2	2				Contact pulse
								3	3				2wires or 12VDC 3wires Voltage Pulse
								6	6				2wires or 12VDC 3wires Open Collector Pulse
								8	8				32VDC 3wires Open Collector Pulse
								A	A				24VDC 2wires Current Pulse (4/20mA)
								9	9				Other than above
Functions										1			Valve opens with ON signal.
										2			Valve closes with ON signal.
Version code											1		always “1” (scaler built in)
												0	always “0”

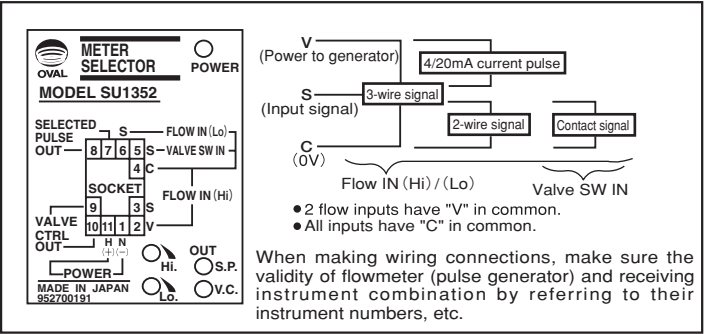
DIMENSIONS (Unit in mm)



OVERALL BLOCK DIAGRAM



TERMINAL CONNECTIONS



ORDERING INSTRUCTIONS

When you make inquiries, please supply us with model, suffix product code, application of output signal, companion instruments and their specifications.

■ GENERAL SPECIFICATIONS

Item		Description		
Input signal	Flow input signal	Flow input (Hi), Flow input (Lo)		
		Pulse Type	Companion Pulse Generator	Power for Pulse Generator (Note 1)
		Contact Pulse	PG20	13.5VDC
		2wires 12VDC 3wires Voltage Pulse	PG30, NPG60A(F)	13.5VDC
		24VDC 2wires Current Pulse (4/20mADC)	A14, 15, 25, ULTRA OVAL	24.0VDC
		2wires 12VDC 3wires Open Collector Pulse	FLOWPET-EG, NPG60A(E3)	13.5VDC
		32VDC 3wires Open Collector Pulse	PA11	32.0VDC
		Frequency response: 2kHz max. (Contact-closure pulse 50Hz max.)		
		Valve switch input	N.C. contact (Contacts "open" at fully-closed valve) std. (Note 2)	
	Output Signal	Selected flow output	Open MOS-FET 80VDC 50mA, Resistance at "ON" : Max.5Ω, Leak Current at "OFF" : Max.10 μA	
	Valve Control Output	Open MOS-FET 230VAC/340VDC 200mA, Resistance at "ON" : Max.16Ω, Leak Current at "OFF" : Max.1 μA		
Power		85 to 264VAC, 50/60Hz, or 20 to 30VDC		
Power Consumption		10VA approx.		
Ambient temperature		-10 to +50℃		
Insulation Resistance		Greater than 10MΩ Across Power Terminals Grouped and OUTPUT Terminal (500VDC Megger)		
Withstand Voltage		1500VAC 50/60Hz for One Minute Across Power Terminals Grouped and OUTPUT Terminal		
Mounting		Plug-in Type		
Enclosure		Resin, Black		
Weight		0.5kg approx.		
Accessory Furnished		11P Surface-Mount Socket : 1pc		

Note 1: The other power supply will be required if the above-mentioned current carrying capacity is insufficient.

Note 2: If valve switch input requires an N.O. contact-closure input, consult factory.

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сайт: www.oval.nt-rt.ru || почта: oxv@nt-rt.ru