



STEAM COMPUTING TOTALIZER

MODEL EL4061

GENERAL SPECIFICATION
GS.No.GED701-9-E

■ GENERAL

Specifically intended for steam service, this instrument accepts signals from a steam service Delta Flowmeter. It contains a microprocessor to perform steam pressure setting relative to the service pressure, bore setting and individual meter calibration, and indicates the total flow in terms of weight for accurate and precise flow measurements.

■ FEATURES

1. An inexpensive steam service computing totalizer for use in conjunction with a steam service Delta Flowmeter.
2. Pressure setting relative to the service pressure is simple.
3. Readily accepts bore alterations.
4. Has a variety of self check feature
5. Compatible with an instantaneous flow indicator (option)



■ GENERAL SPECIFICATIONS

Item		Description
Input	Flow Signal Input	2 wire Current Pulse (PA15, 25)
	Level	"1": 20mA Min, "0": 4mA Max.
	Input Impedance	240Ω
	Power to Pulse Generator(Transducer)	24VDC
	Pulse Response	2500Hz Max. (Ex DELTA's nominal dia., totalizer units and other factors are the constraints that must be observed. See "Totalizer units of the least significant digit" in the table "Totalizer Measuring Units" below.)
	Error input to the sensor	Detects an overcurrent (exceeding 27mA), and indicates a sensor error.
Setting	Program Pressure Setting	Set with front-panel digit-switches (0.00~1.99MPa in 0.01Mpa steps)
	Nominal size. setting	Set with hexadecimal rotary switch
	Meter error correction	Adjustable with a jumper (±7.5% in 0.5% steps)
	Frequency divide	Set with a jumper Total counter : 1/10 or 1/100 Output : 1/1 or 1/10 or 1/100
Total counter display		7-digit electromagnetic counter (non-resettable)
Output	Output pulse	Open collector: pulse width : 1~4ms, 40~60ms (output freq. divide at 1/10 or 1/100) Max. rating : 30V DC, 0.1A
	Instantaneous flow rate	Instantaneous flow rate output in terms of mass : 1~5V, 0~10mV, 4~20mA, 10~50mA, 0~100μA
Alarm & Check Function		1 In case of occurring a fault in sensor of the flowmeter, alarm lamp comes on. 2 CPU self-check feature (depressing Self Check Button advance three counts if operating normally)
Computing Accuracy		±0.3% of Reading
Power Supply		100V, 110/115V, 200V, 220/230V AC ±10% 50/60Hz
Power Consumption		5VA Max.
Ambient Temperature		-10~+50°C (must be free from freezing)
Insulation Resistance		Across power terminals and ground terminals : Greater than 10MΩ(500V DC Merger)
Withstand Voltage		Across power terminals and ground terminals : 1500 V AC for 1 minute)
Mounting		Panel Mount
Finish		Instrument frame (resin moulding) : Munsell N1.5 Enclosure (steel sheet) : Munsell N6
Mass		1 kg approx.

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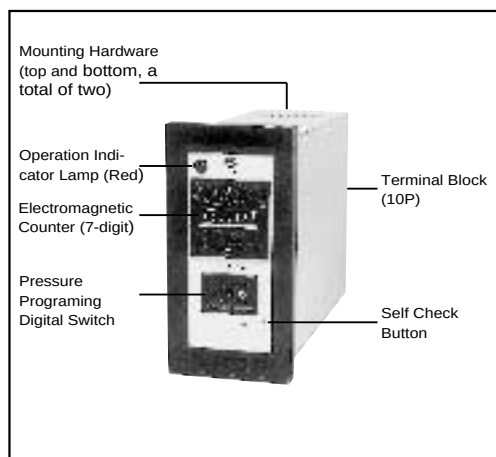
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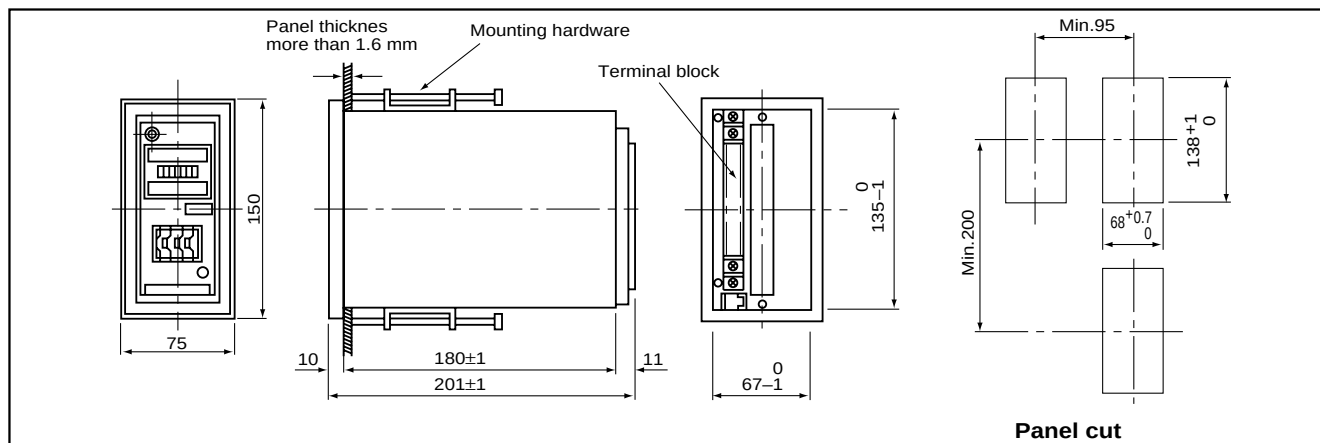
■ PART NAMES



■ MODEL CODE NUMBER

Item	Product Code						Supplementary Code						Description
	①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫	
Model	E	L	4	0									Steam computing totalizer
Power Supply							1						100VAC 50/60Hz
							2						200VAC 50/60Hz
							3						110/115VAC 50/60Hz
							4						220/230VAC 50/60Hz
							9						Other than above
Input							4						Converter PA15, 25
							9						Other than above
							0						Always "0"
Analog Output							0						None
							1						1 ~ 5V
							2						0 ~ 10mV
							4						4 ~ 20mA
							5						10 ~ 50mA
							7						0 ~ 100μA
							9						Other than above
Pressure Unit											1		MPa
Finish (Frame Color)												1	Munsell N1.5 (Std.)
												2	Munsell 7.5BG4/1.5

■ OUTLINE DIMENSIONS (Units in mm)



■ TERMINAL CONNECTIONS

①	+24V	} Flow Input	2 wires
②	SIG		
③	0V		
④	+	} Total weight output (open collector)	
⑤	0V		
⑥	+	} Instantaneous Flow rate Output (Analog)	
⑦	-		
⑧	Earth		
⑨	HOT	} + Power Supply	
⑩	NEUT		

■ When you make inquiries, please supply the following information

- Companion EX DELTA specifications
Size_____mm, Flow range Min._____kg/h~Max._____kg/h
Normal Temp._____°C, Normal Pressure_____MPa
Flowmeter Model No._____
- Product Code No. EL4061- ○○○○○○
- Total Counter Least Significant Digit Unit_____kg

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