



TOTALIZER

MODEL EL0123

GENERAL SPECIFICATION
GS.No.GED714E-3

■ GENERAL

This compactly built LCD counter accepts a pulse signal from the flowmeter and displays both the totaled flow and instantaneous flowrate digitally.

■ FEATURES

1. Built around a single-chip CPU, it offers many valuable functions. A pushbutton selects the following four display modes:
 - ① Totalized flow, ② Resettable totalized flow, ③ Instantaneous hourly / per-minute flowrate selectable.(option) and ④ Meter factor.
2. Has a scaler and a frequency divider.
3. Provides either an unfactored or factored pulse output.
4. A built-in lithium battery eliminates the need for any external power source (low battery alarm provided).



■ GENERAL SPECIFICATIONS

Item			Specifications
Input Signal	Trigger Level		2.2V DC, Hysteresis 0.5VDC
	Response Pulse		200Hz (50Hz with contact-closure pulse) Can respond to 2kHz with 1/10 or 1/100 frequency division
Output Signal	Pulse Output	Selection	Factored (synced with display) ···Standard, or sync with input unfactored.
		Output Signal	Open collector
		Capacity	30VDC 50mA max.
		"ON" Voltage	1.5VDC max.
		Pulse Width	1msec approx. (standard)
Display	Display Type		LCD Character 12.7mm high
	Variables		Scrolls through available variables upon “MODE” button depression. 8-digit nonresettable Total flow 5-digit per-hour Flowrate 5-digit per-minute Flowrate 7-digit resettable Total flow
Backup			A nonvolatile memory (EEPROM) retains the data including parameters and accumulated total flow when the power is interrupted.
Battery Life			Approx. 4 years
Ambient Temperature			−10~+50℃
Insulation Resistance			Greater than 10MΩ across power terminals grouped and GND terminal (500V DC Megger)
Withstand Voltage			1500V AC for one minute across power terminals grouped and GND terminal
Mass			0.2kg approx.
Encloure			Resin frame + Alminum casing

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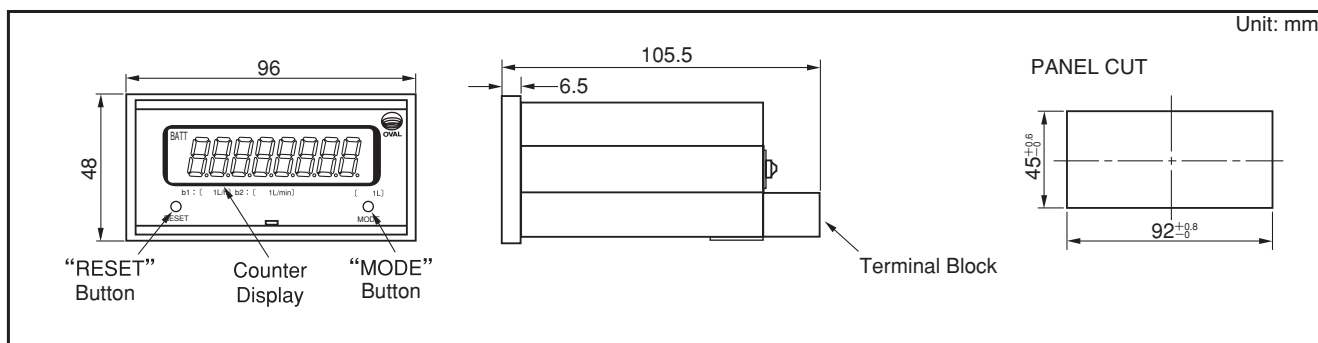
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■ OUTLINE DIMENSIONS



■ PRODUCT CODE EXPLANATION

ITEM	Product Code		Supplementary Code				DESCRIPTION
	1	2			10	11 12	
Model	E	L 0 1					Totalizing Counter
Power Supply			0				Always "0" An internal lithium battery is provided.
Input Signal			2				Contact-closure pulse (PG20 equivalent)
			3				Voltage pulse (PG30 equivalent)
			4				24VDC 2-wire current pulse 4/20mADC (PA14, 15 and 25 equivalent)
			5				12VDC 2-wire current pulse (PG30S equivalent)
			6				Open collector pulse (Flowpet-EG equivalent)
			9				Other than above
Output Signal (Open collector)			2				Pulse width: approx. 1 ms (std.)
			5				Pulse width: approx. 50 ms
			6				Pulse width: approx. 100 ms
			7				Pulse width: approx. 250 ms
			9				Pulse width: Other than above (2~250 ms)
Additional Function			0	0			Always "00"
Finish					1		Always "1" Munsell N1.5

* In case of voltage or current input pulse signal, an external power source is necessary for the pulse generator.

■ TERMINAL CONNECTIONS

Terminal No.		1	2	3	4	5	6	7	8	Remarks
		Sig. 0V		+	-	L ₁ (+)	L ₂ (-)			
Connections		FLOW INPUT		PULSE OUT		POWER				
Input Signal	Open collector	-	↑	↑	-	-	-	-	-	
	Contact closure Pulse	-	↑	↑	-	-	-	-	-	
	Voltage pulse (2-wire)	-	⊕ ↑	⊖ ↑	-	-	-	-	-	
	Voltage pulse (3-wire)	-	Sig. ↑	↑	-	-	(12V) ↑	(10V) ↑	-	
	Current pulse	-	⊕ ↑	↑	-	-	⊖ ↑	-	-	4/20 mA DC current pulse
Output Signal		-	↑	↑	-	-	-	-	-	Open collector (for external totalizer)
Power supply to Pulse Generator*		-	↑	↑	-	-	⊖ ↑	⊖ ↑	-	12~24 VDC ± 10%

* Power supply connection to "Power" terminal prolongs battery life.
Terminal connection screws : M3.5

■ When making inquiries, please advise the following: (Fill in the blanks and check ☐ with ☒ mark)

- Type and model of companion flowmeter
- Type of model of pulse generator (type and spec. of input signal)
- Type of output signal
☐ Factored pulse ☐ Unfactored pulse
- Conditions of installation location and other information.

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