

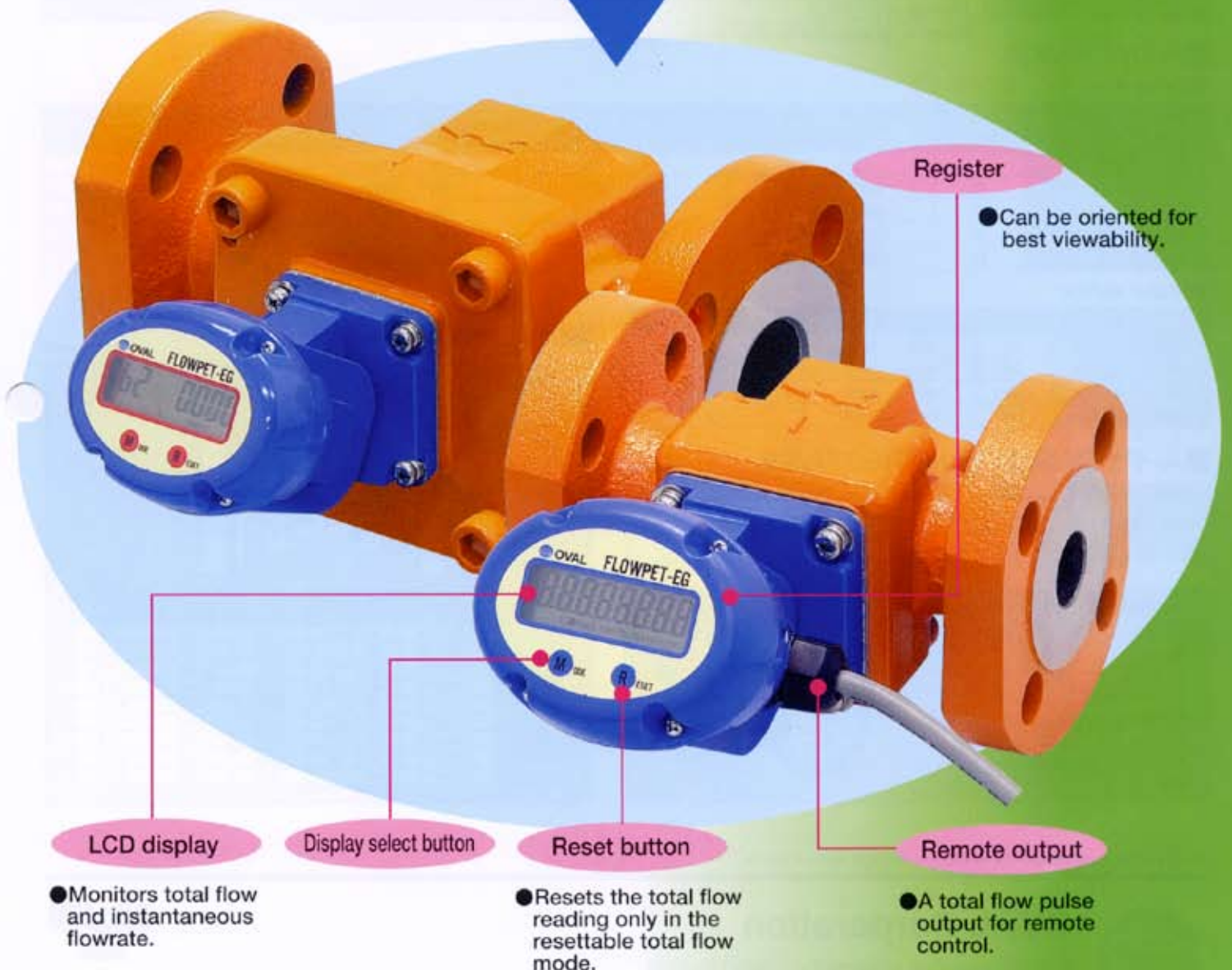


FLOWPET®

FLOWPET-EG

For fuel oil lubricating oil and water

NEW Version



GENERAL SPECIFICATIONS

Register

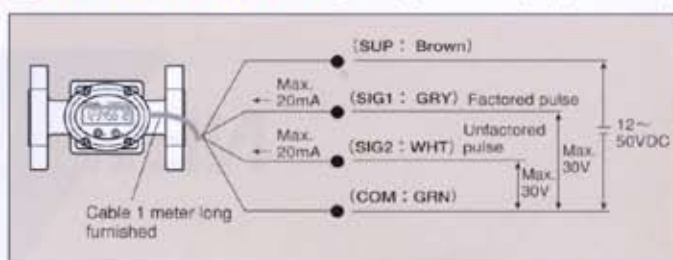
Item	Description
LCD Display	7-segment, 8-digit LCD. Characters 10mm high. Shows the units in which the register reads plus low battery alarm.
Power source	Lithium battery or external power source ● Lithium batteries: 3.6V DC 5400mAh (2700mAhX2) Life: 8 years ● External power: 12-50V DC±10% (current carrying capacity 10mA min.)
Display variables	Total flow, instantaneous flowrate (hourly and per-minute), resettable total flow
Output signal (pulse generator equipped model)	Open collector Allowable current: 20mA Max. voltage applied: 30V Factored pulse Pulse width 1ms, 50ms, 100ms, 250ms Unfactored pulse Pulse width 2ms (fixed)
Flow input	Operating principle: Detects alternating magnetic fields with a sensor. Response frequency: 200Hz max.
Metering accuracy	Total flow : ±1 count Instantaneous flowrate : ±1% or better at full scale
Features	Low battery alarm (A battery mark "▲" flickers below 3.0V.)
Ambient temperature	-10 to +60°C
Color coded liquid kind	LCD display frame: Red for oil service Blue for water service
Material and finish (housing)	Polycarbonate in blue
Degree of Protection for enclosure	IP53 (Dust-proof/Spray-Proof Type) — IEC/EN60529, JIS C 0920
Installation	Location under eaves (Avoid locations exposed to the sunshine.)

Meter body

Item	Description
Applicable fluid	Liquid ※
Operating temp. range (fluid temp.)	0~+120°C
Max. operating pressure/connection	1.18MPa / JIS 10K RF
Accuracy	Oil service : ±0.5% of RD Water service : ±1% of RD
Material	Body Oil service : FC250 Water service : BC2 Rotors Special resin
Flow directions	Right → left (standard), left → right, bottom → top, top → bottom
Coating color	Munsell 2.5 YR 6/13

※ Steam is not applicable for water service model

WIRING DIAGRAM (pulse generator equipped model)



FLOW RANGE

Oil service

Model	Nominal size (mm)	Flow range L/h			Pressure loss kPa	
		Kerosene	Gas oil (heavy oil A)	Heavy oil (Above 5mPa·s to 200mPa·s)	Kerosene 1.2mPa·s	Heavy oil 19mPa·s
LS4976-4 □ 0A	20	10~ 800	7~ 800	5~ 800	32	47
LS5276-4 □ 0A	25	300~ 3000	150~ 3800	80~ 3800	13	56
LS5376-4 □ 0A	40	600~ 5000	300~ 6400	150~ 6400	13	30
LS5576-4 □ 0A	40	1200~ 11000	600~ 14000	400~ 14000	25	54
LS5676-4 □ 0A	50	2000~ 20000	1400~ 24000	900~ 24000	27	55

Water service

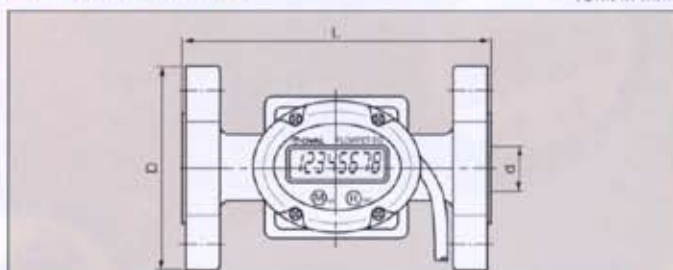
Model	Nominal size (mm)	Flow range L/h	Pressure loss kPa
LS5277-4 □ 0A	20	200~ 1200	5
LS5377-4 □ 0A	25	600~ 3600	12
LS5577-4 □ 0A	40	1200~ 7200	10
LS5677-4 □ 0A	50	2000~ 12000	7

APPLICABLE EN D'RECTIVES

Applicable EU Directive	Electro-Magnetic Compatibility Directive : 89/336/EEC, 92/31/EEC, 93/68/EEC
Applicable EN standards, etc.	For Electro-Magnetic Compatibility Directive EN55011:1998/A1:1999, Group 1, Class B EN61000-6-2:1999

DIMENSIONS

(Unit in mm)



Item	Model	Nominal size (inch)	L	D	Mass kg
Oil service	LS4976	20 (3/4")	150	100	3.2
	LS5276	25 (1")	225	125	6.2
	LS5376	40 (1 1/2")	225	140	7.7
	LS5576	40 (1 1/2")	230	140	9.7
	LS5676	50 (2")	250	155	14.5
Water service	LS5277	20 (3/4")	225	100	7.0
	LS5377	25 (1")	225	125	9.0
	LS5577	40 (1 1/2")	245	140	14.0
	LS5677	50 (2")	280	155	22.0

Mechanical register equipped FLOWPET -NX for oil service



For specifications, see the respective GS sheet.
 Pulse generator equipped model also available

Specifications and design are subject to change without notice.



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