



High Accuracy Flowmeter for Fuel Oil and Lube Oil

MINI METERS
MODEL : LS212□□, LS213□□
(For Remote Flow Indication)

GENERAL SPECIFICATION

GS.No.GBB304E-7

■ GENERAL

The Mini Meters are compactly built OVAL flowmeters specifically designed for accurate measurement of fuel oil, lubricating oil, etc. in small quantities. They find extensive use in applications where fuel oil consumption control is required in small oil burners, steel, glass, ceramics furnaces, or elsewhere where metering lubricating oil for machinery and equipment, such as small marine engines in fishing boats, is desired.

■ FEATURES

1. Accurate to $\pm 0.5\%$.
2. Compactly built and lightweight.
3. Revolving red pointer clearly visible at a distance.
4. Simple construction and easy to maintain.
5. A built-in proprietary small DC generator permits you to read the instantaneous flowrate at a remotely located point.


 EL1001
 Remote flow indicator

 LS212□, LS2132□
 Direct-reading totalizer/remote flow indicator

 LS2121□, LS2131□
 Direct-reading totalizer
■ GENERAL SPECIFICATIONS

Item	Description	
Body Material	FC250	FCD450
Nominal Dia.	20mm	
Flange Rating	JIS 5K FF	ANSI 150 RF
Max. Operating Pressure	0.69MPa	1.04MPa
Max. Operating Temperature	100°C	
Accuracy	$\pm 0.5\%$ or better	
Units of Registration	One pointer revolution: 1L, Resolution: 0.02L Totalizer drums: 5 digits, Capacity: 99,999L	
Applicable liquids	Light oil, heavy oil	
Finish	Body: Munsell 7.5YR 5/6 Meter frame: Munsell N1.5	
Weight	Direct-reading type: 3kg, Direct-reading totalizer/remote flow indicator type: 3.2kg	
Construction	Non-explosionproof	
Flow direction	Right → left (standard)	

■ FLOW RANGES

Oil Kind	Operating Conditions		Continuous	Intermittent
	Units			
Light Oil	L/h		20 to 700	20 to 800
	US G/h		5.3 to 185	5.3 to 211
	Imp. G/h		4.4 to 154	4.4 to 176
Heavy Oil	L/h		10 to 700	10 to 800
	US G/h		2.6 to 185	2.6 to 211
	Imp. G/h		2.2 to 154	2.2 to 176

OVAL Corporation

<http://www.oval.co.jp>

 Head Office (Tokyo): Tel. 81-3-3360-5121. Fax. 81-3-3365-8605
 Beijing Office: Tel. 86-10-5867-4711. Fax. 86-10-5867-4713
 Overseas Branch Offices: Seoul, Singapore and Taipei

■ PRODUCT CODE EXPLANATION

Item	Code No.							Description	
	①	②	③	④	⑤	⑥	⑦		
Model	L	S						Mini Oil Meter	
Size	2	1						20mm in nominal dia.	
Flange Rating and Body Material	2							JIS 5K FF (FC250)	
	3							ANSI 150RF (FCD450)	
Meter Assembly	1							Direct-reading totalizer	
	2							Direct-reading totalizer+DC generator (+Remote flow indicator)	
Indicator Units of Registraion								Direct-reading totalizer	Remote flow indicator
	1							L	L/h
	2							USG	—
	3							Imp.G	—

Remote flow indicator : Option.

■ ACCESSORIES GENERAL SPECIFICATIONS

● Remote Flow Indicator

Model	EL1001
Full Scale	0 to 300L/h or 0 to 800L/h
Indicating Accuracy	±2.5% of full scale
Indicator Construction	Moving coil ammeter (0 to 50µA) converter built-in
Operating Temp. Range	-10 to +40°C
Resist. across Terminals	4.31 to 9.31kΩ
Body Color	Black
Weight	90 grams, approx.



● Strainer

Model	SS0221
Flange Rating	JIS 5K FF Nominal dia.: 20mm
Allowable Pressure	0.69MPa
Net	60 in mesh No.
Materials	Body: FC250 Net: SPC, SWR
Finish	Munsell 7.5YR 5/6
Weight	2kg



■ DIMENSIONS (Units in mm)

● Flow meter
LS212□□

DC
Generator
Meter assembly
code "2" only

NOTE, (): LS213□□

● Strainer
SS0221

● Remote Flow Indicator EL1001

The specification as of June, 2008 is stated in this GS Sheet. Specifications and design are subject to change without notice.



Sales Representative:
icenta CONTROLS Ltd
 North Station Yard, Warminster Road, Wilton, Salisbury, SP2 0AT
 Tel: 0845 895 1020 Fax: 0845 895 1021
 Email: sales@icenta.co.uk
 www.icenta.co.uk

GS.No.GBB304E		
初版	改訂	印刷
01.2	08.6	