



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 indication



LS2122□, 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)	

Архангельск (8182)63-90-72
Астана +7(7172)727-132
Белгород (4722)40-23-64
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89
Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Казань (843)206-01-48

Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Липецк (4742)52-20-81
Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41

Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Новосибирск (383)227-86-73
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78

Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Тверь (4822)63-31-35
Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Ярославль (4852)69-52-93

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 _____

● **Flow meter**
LS212□□

DC
Generator
Meter assembly
code "2" only

Technical drawing of the LS212 flow meter. The front view shows a circular meter face with a scale from 0 to 4, a needle, and a zero-adjust screw. Dimensions include a total width of 140, a mounting flange width of 14, a mounting hole diameter of $\phi 85$ (with a note for $\phi 98$), and a mounting hole pitch of 97. The side view shows a total height of 110, a mounting flange thickness of 104, a mounting hole diameter of 135, and a total mounting hole pitch of 177.5 (with a note for 184).

NOTE, () : LS213□□

● **Strainer**
SS0221

Technical drawing of the SS0221 strainer. The side view shows a conical mesh strainer mounted on a flange. Dimensions include a total width of 160, a mounting flange thickness of 85, and a mounting hole pitch of 74.

● **Remote Flow Indicator EL1001**

Technical drawing of the EL1001 remote flow indicator. The front view shows a rectangular display with a needle and a scale. Dimensions include a total width of 80 and a total height of 80. The side view shows a total width of 13, a mounting flange thickness of 41, a mounting hole diameter of 35, a mounting hole pitch of 25, a mounting flange width of 20, a mounting hole diameter of 30, a mounting hole pitch of 65, and a mounting hole diameter of $\phi 65$. The detail view shows a circular mounting plate with a diameter of $\phi 67 \pm 1$, a mounting hole diameter of $\phi 32 \pm 0.2$, and a mounting hole pitch of 32. The detail view also shows a terminal cover (option), a terminal screw (2-M4), a fitting bolt (2-M3), and a panel cut dimension of 32. The detail view also shows a mounting hole diameter of $\phi 65$ and a mounting hole pitch of 65.

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