■ Standard Specifications: Measuring Unit ■ Standard Specifications: Indicator Unit

		FGB Type	FRL Type			
Accuracy		±0.5% (±0.2%)*1				
Max Working Pressure		1MPa				
Hydraulic Test Pressure		2MPa				
Max. Working Temperature		Sizn 1/2BKerosene, riesel / light oil, A heavy oil : 80°C Size 1/4D & 1D	Kerosene, Diesel oil, *2 A, B, C heavy oil :120°C			
Flange Rating		JIS10K FF				
Material	Волу	Size 4.8 & 1B : PC250 (Cast Iron) Size 4.8 & 1B : PCD400 (Ductile Iron)	FG250 (Gast Iron)			
	Rotor	PPS resin	FC200(Standard Material) ADC12 or AC7A(Aluminum alloy)			

^{*1.±0.2%} is possible depending on the model and operating condit *2.In case Model code is BAA type.

■ Flow Range (Accuracy:±0.5%)

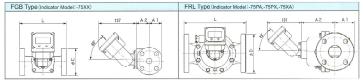
	Flow Range (L/h)						
Model	Kerosene (1.5mPa · s)	Diesel, Light Oil (5mPa · s)	A Heavy Oil (10mPa·s~)	B,C Heavy Oil (50~300mPa · s)			
FGBB423BAL	40~200	10~200	5~200	-			
FGBB631BDL	100~1,250	40~1,250	20~1,280	10~1,250			
FGBB836BDL	150~3,000	100~3,000	50~3,000	25~3,000			

	ltem						
	Display Character Size	14.5mm height					
	Totalized Counter	8 digit : L, kL, m3, without unit					
	Reset Counter	B-digit: L, kL, m3, without unit					
Display	Instantaneous Flow Rate	6-digit : /h, /min					
	Alarm Indication	⁷ ALARM ≠ Alarm code (01~05) jblinks					
	Display Mode Change	Press front FMODE; button					
	Display Angle	Variable 90° at each upward and downward at 15°steps					
Function	Forward Reverse Flow Detection	Totalized value is displayed after addition/subtraction of forward/severse flow					
	Low Battery Alarm	^T BATT _J blinks					
Output	Output Signal (with External Power Supply)	■Open Drain (Allowable current 50mA, Max.Veltage: 30VDC) +Factored Pulse (0.5ms, 10ms, 100ms, 500ms) or Alarm Gutput -Unfactured Pulse ■Analogue output: 4 – 20mADC					
Power Supply	External Power Supply I ithium Rattery	12~24VDC (in case Analogue output is necessary) Battery life : 10 years (varies depending on the operating conditions)*					
Ambient Temperature		-20~+80°C					

*In the case of FRL1051 type, 10 years of battery life is applicable when it is used at flow rate of 120ml/h or less.

		Flow Range (m²/h)						
Mudel	Condition	Kerosene (0.9~2mPa·s)	Light Oil (2~5mPa·s)	A,B Heavy OII (5~150mPa·s)	C Heavy Oil (150~500mPa·s)			
	Intermittent	1~6	0.8~7	0.1~7	0.1~6			
FRI.0438RAA*	Continuous	1 4.6	0.8~6	0.1~6	0.1 ~ 4.5			
FRL0541BAA	Intermittent	2~13	1.5~15	0.25~15	0.25~ 13			
	Continuous	2~9	1.5~13	0.25~13	0.25~9			
	Intermittent	5 35	3.5 40	0.6 40	0.6 35			
FKLU845BAA	Continuous	5~25	3.5∼35	0.6~35	0.6 ~ 25			
FRL1051BAA	Intermittent	16 ~ 120	12 ~ 130	4~130	4~120			
	Continuous	16~85	12 ~ 120	4~120	4 ~ 85			

■ Dimensions



Model	Model Number		Connection Size		Dimensions (mm)				Approx.	
	Measuring Unit	Display Unit		mm Ir	Inch	ψD		Al	AZ	Weight (kg)
	Measuring unit	without Output	with Output*	1000	IIIUII	Ψυ	-	A1	74	3(.3/
FGB Type FG	FGBB423BAL	-76XX	-75PA -75PX -75XA	15	1/2	95	130	42	46	3
	FCBB631BDL			20	3/4	100	170	45	49	4
	FGBB835BDL			25	1	125	200	55	56	6
FRL Type	FRL0438BAA		-75PA -75PX -75XA	40	1 1/2	140	200	45	116	13
	FRLU541BAA	-75XX		50	2	155	250	60	135	15.5
	FRL0845BAA	-/5//		80	3	185	300	89	163	42
	FRL1051BAA			100	4	210	450	180	273	100

^{*-}rspa:with Pulse+Analogue Output -75PX:with Pulse Output -75XA:with Analogue Output

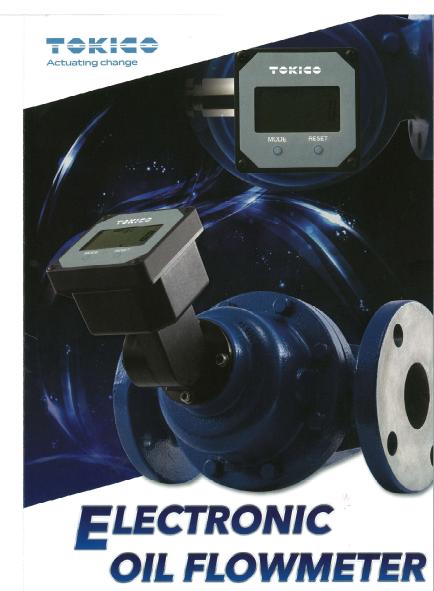
Contact

Please note that specifications are subject to change without prior notice

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NEW STANDARD FOR OIL MEASUREMENT WITH ADVANCED TECHNOLOGY!





■ Visibility is greatly improved by the large-sized display

Battery Alarm 「BATT」is blinked when

Display of Alarm Code

5 different alarm codes are blinked when the flow conditions meet the Alarm conditions.

Large LCD Character

Large-sized character is adopted to achieve better visibility (Compared to our previous model : approx.200%)

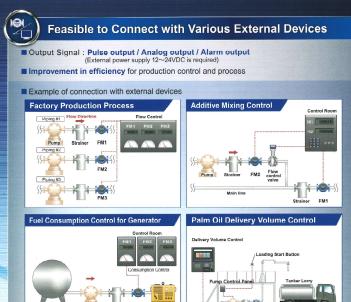


the battery becomes low to notice battery replacement time

Easily Adjustable Display Angle

■ Display angle can be easily adjusted at 15°steps over 180°range in accordance with the different installation conditions.







Compatible with Previous Model

Replacement from mechanical type to new electronic type is easy without modification of piping, because the length between flange to flange (L) is the same. "Its not possible to replace the display part only

Replacement from previous electronic display to new electronic display