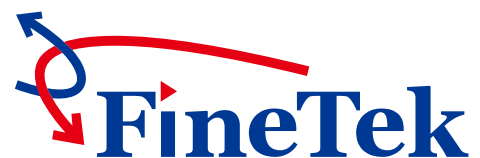




Mini By-Pass Level Transmitter



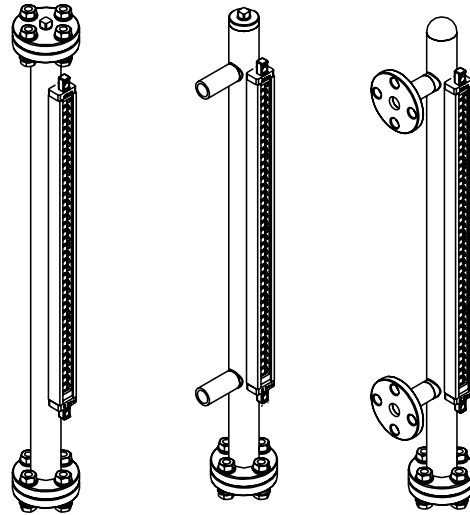
Innovation · Quality · Sharing

MINI BY-PASS level indicator

FEATURES

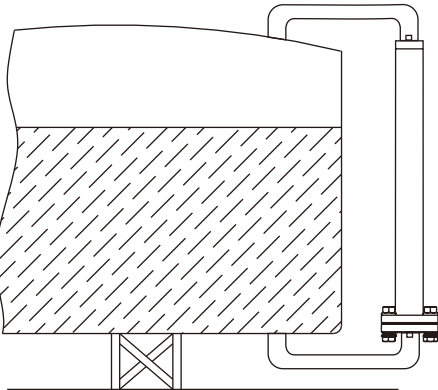
- ★ Visible level changes are shown by the flag display
- ★ Uses engineering plastics(not glass) for safety
- ★ Compact and easy to install.
- ★ Optional magnetic switches for high/ low level alarm output.
- ★ Optional level transducer for 4-20mA signal output.

Applicable in both hazardous or sanitary environments.
Suitable for oil tanks, water tanks, steam boilers, food machines, medical equipment and other.

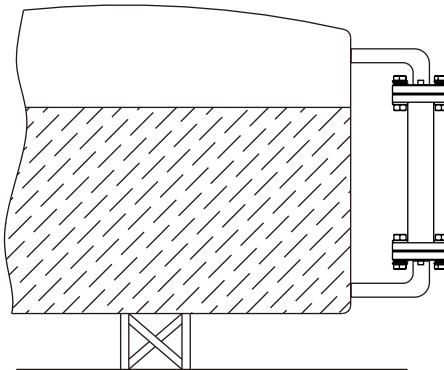


INSTALLATION EXAMPLE

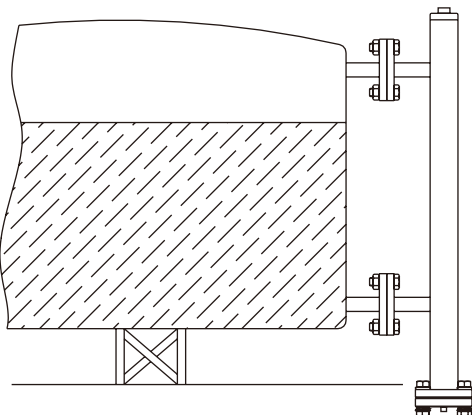
MEF□□□ B5H



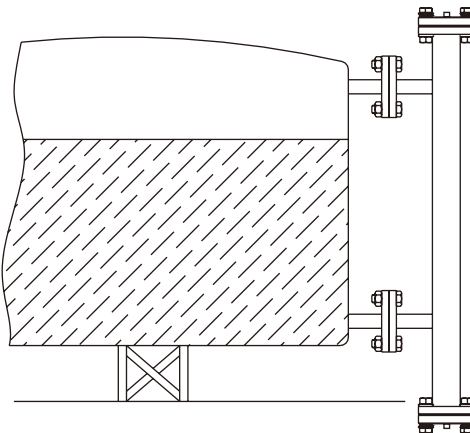
MEF□□□ C5H

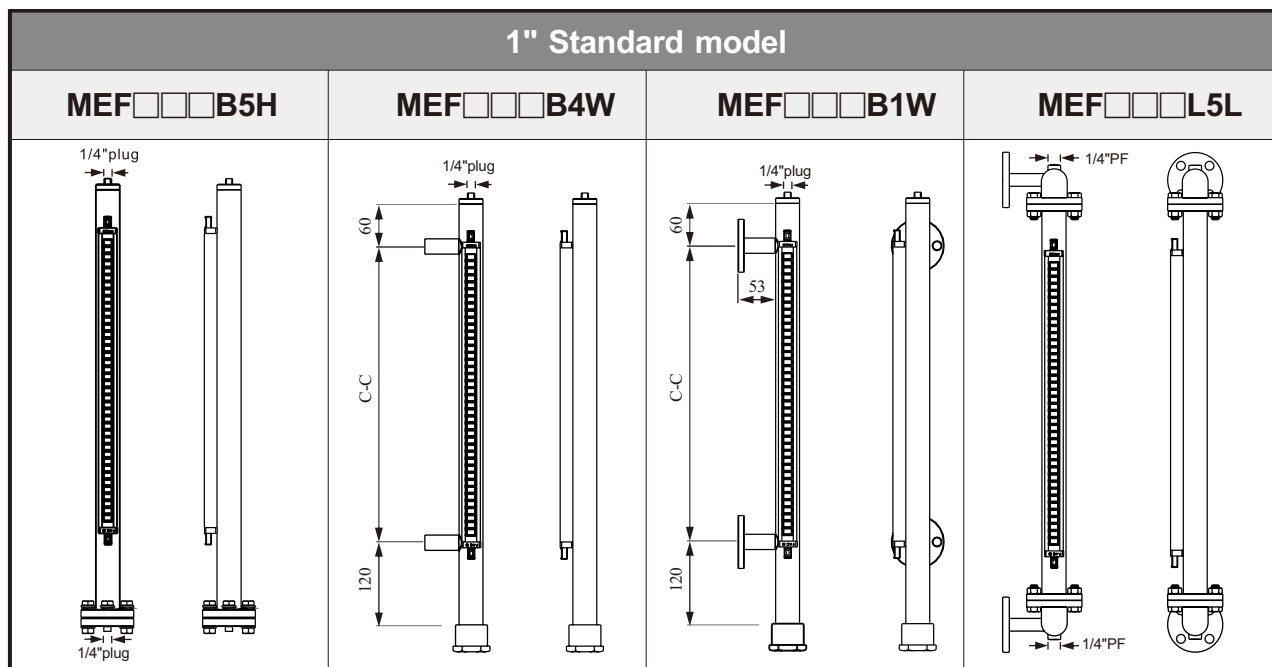


MEF□□□ B1H



MEF□□□ C1H

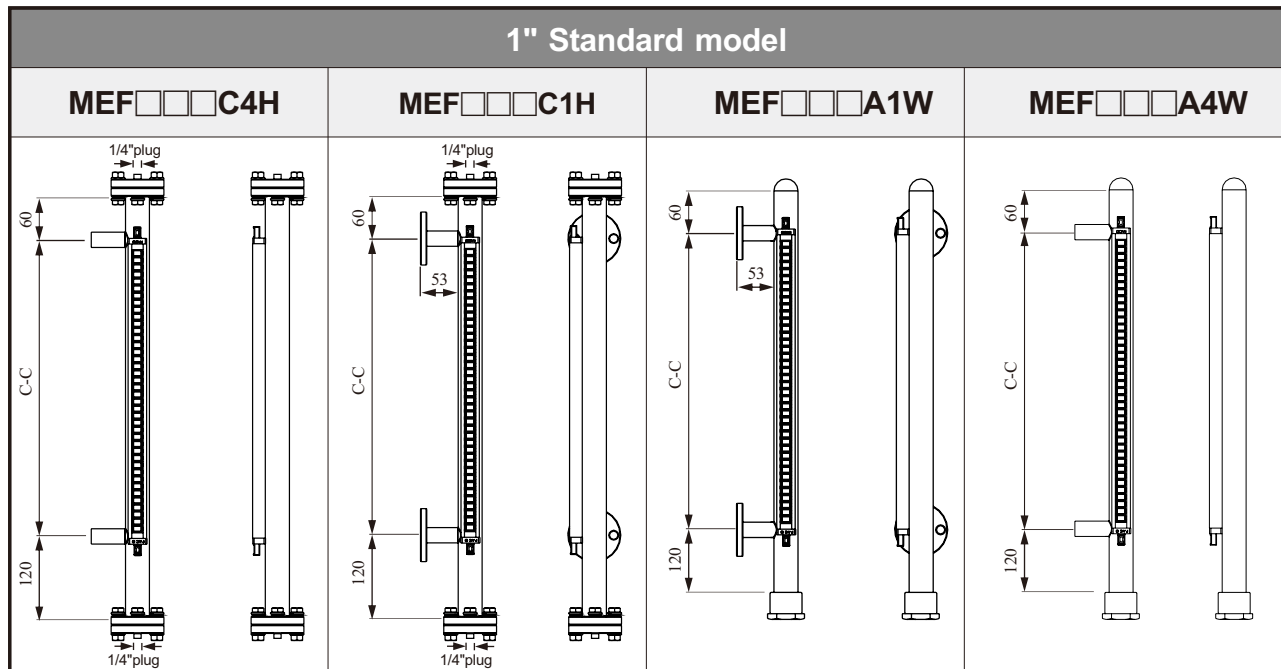




SPECIFICATIONS

Order No. Description	MEF□□□B5H	MEF□□□B4W	MEF□□□B1W	MEF□□□L5L
Top end	Flat Top+1/4" Plug	Flat Top+1/4" Plug	Flat Top+1/4" Plug	Dual Flange+ angle pipe
Bottom end	Dual Flange+ 1/4" Plug	Removable nut plug	Removable nut plug	Dual flange +angle pipe
Connecting	————	Slip Pipe	3/8" x5kg/cm ² (Flange)	3/8" x5kg/cm ² (Flange)
C-C distance	Min. 150mm; Max. 3000mm			
Operation pressure	10kg/cm ²			
Operation temp.	140°C			
Chamber	φ34 x 2t, SUS304 / SUS316L			
Float type	EFB-2420, S.G.0.7			
Material	SUS304 / SUS316L			
Flag indicator	EFB-0750			
Ruler	PM Sticker (max.100°C)			

C-C Connecting tube: 1/2"



SPECIFICATIONS

Order No.	MEF□□□C4H	MEF□□□C1H	MEF□□□A1W	MEF□□□A4W
Description				
Top end	Dual Flange+ 1/4" Plug	Dual Flange+ 1/4" Plug	Cap	Cap
Bottom end	Dual Flange+ 1/4" Plug	Dual Flange+ 1/4" Plug	Removable nut plug	Removable nut plug
Connecting	Slip Pipe	3/8" x5kg/cm ² (Flange)	3/8" x5kg/cm ² (Flange)	Slip Pipe
C-C distance	Min. 150mm; Max. 3000mm			
Operation pressure	10kg/cm ²			
Operation temp.	140°C			
Chamber	φ34 x 2t, SUS304 / SUS316L			
Float type	EFB-2420, S.G.0.7			
Material	SUS304 / SUS316L			
Flag indicator	EFB-0750			
Ruler	PM Sticker (max.100°C)			

C-C Connecting tube: 1/2"

MODEL NUMBER/ORDER CODE COMPARISON TABLE

Standard Model

Model Number	Order Code
MEF□□□B5H	EFM2□□00-B5C
MEF□□□B4W	EFM2□□00-B4Q
MEF□□□B1W	EFM2□□00-B1Q
MEF□□□L5L	EFM2□□00-N5N
MEF□□□C4H	EFM2□□00-C4C
MEF□□□C1H	EFM2□□00-C1C
MEF□□□A1W	EFM2□□00-A1Q
MEF□□□A4W	EFM2□□00-A4Q
MEF□□□B1H	EFM2□□00-B1C
MEF□□□C5H	EFM2□□00-C5C

Flag Display

Model Number	Order Code
EFB-0750	EFXBM1D

Ruler

Model Number	Order Code
EFA-2150	EFMAM1P-00R00

Reed Switch

Model Number	Order Code
EFB-1400	EFXBM1P-18S44□□□01
EFB-1410	EFXBM1P-18S45
EFB-1420	EFXBM1P-18S41
EFB-1430	EFXBM1P-18S42
EFB-1440	EFXBM1P-18S44□□□05
EFB-1450	EFXBM1P-18S44□□□07

Continuous Level Transmitter

Model Number	Order Code
EFB-3920	FGX10000-A6G000000C□□2B0000B00

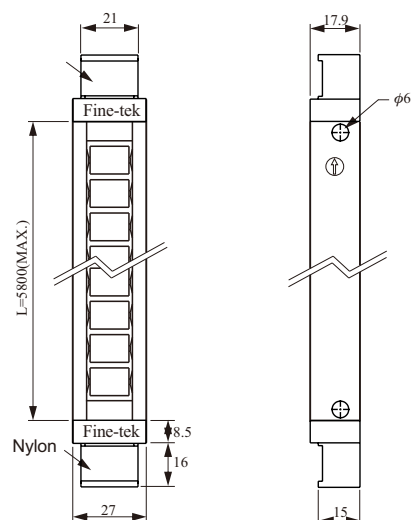
Metal Float

Model Number	Order Code
EFB-2420	FLTBM1F-1□□28105

FLAG DISPLAY

MODEL: EFB-0750

Housing material	SUS 304
Flag material	Engineering plastic
Flag color	Red / White; Green / White
Cover material	Engineering plastics
Operation temp.	-20~140°C
Standard unit	50mm



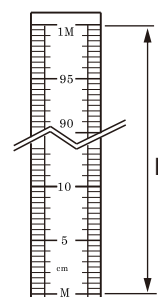
RULER

MODEL: EFA-2150 (unit: cm)

MODEL: EFA-2160 (unit: inch)

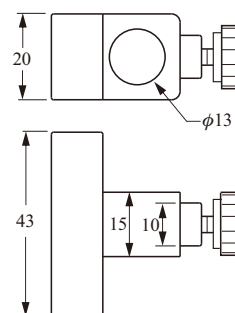
Material	PM Sticker
Operation temp.	-20~100°C

EFA-2150

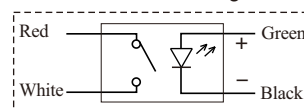


MODEL: EFB-14□□ [ADJUSTABLE TYPE]

Contact element	Reed Switch
Switch form	EFB-1400, SPST NO Hold type
	EFB-1410, SPST NO Normal type
	EFB-1420, SPDT Hold type
	EFB-1430, SPDT Normal type
	EFB-1440, SPST NO Hold type (side lead wire)
	EFB-1450, SPST NO Hold type (LED display)
Contact capacity	1A /30W / 200Vdc / 240Vac
LED power	24 Vdc ±20%(for EFB-1450)
Housing material	PP
Operation temp.	-20~140°C
Protection	IP67
Cable length	2M (PVC Cable)
Contact wire color code	Red: COM, While: NO (EFB-1400 /1410 /1440 / 1450)
	Black: COM, Red: NC, White: NO (EFB-1420 / 1430)



EFB-1450 Wring

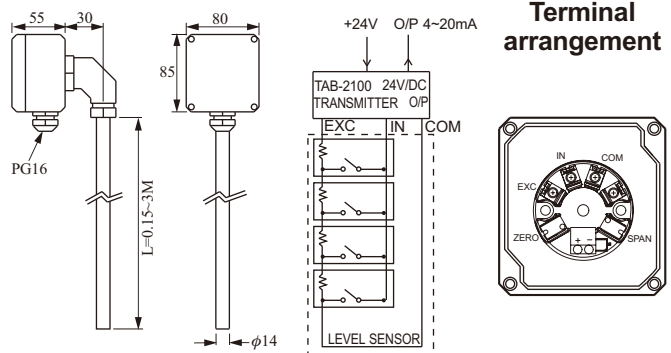


FLOAT/ CONTINUOUS LEVEL TRANSMITTER

CONTINUOUS LEVEL TRANSMITTER

MODEL: EFB-3920

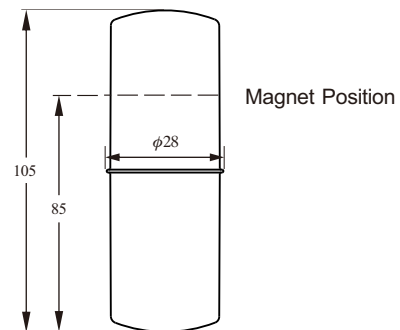
Housing material	PC(IP65) 85(W)x80(H)x55(D)
Tube material	φ14mm, SUS 304 or SUS 316
Resolution	± 6.35mm
Output	4~20mA two-wire
Power	12~32Vdc
Measuring range	0.15~3M
Ambient temp.	-10~80°C
Accuracy	± 6.35mm



METAL FLOAT

MODEL: EFB-2420

Operating temp.	150°C
Operating pressure	10kg/cm ²
Specific gravity	0.7(S.G.)
Floatation line	85 mm
Material	SUS316
Dimension	φ28x105



Warning !

General requirement:

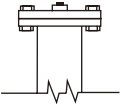
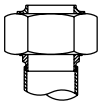
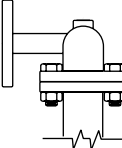
S.G. of float must be lower at least 0.1 than liquid
(ex: water: 1.0 / float: S.G. 0.9)

If equipped with reed switch:

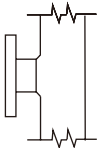
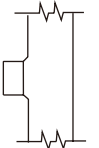
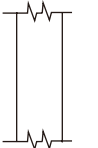
S.G. of float must be lower at least 0.2 than liquid
(ex: oil: 0.8 / float: S.G. 0.6)

ORDER INFORMATION

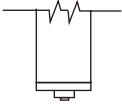
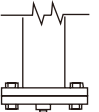
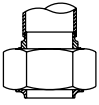
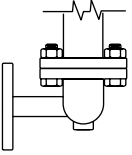
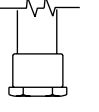
TOP END MODEL

A	Cap	B	Flat top+plug	C	Dual flange +plug	S	Welding union	N	Dual flange +angle pipe
									

CONNECTION

1	Flange	4	Slip pipe	5	N/A
					

BOTTOM END MODEL

B	Flat top+plug	C	Dual flange +plug	S	Welding union	N	Dual flange +angle pipe	Q	Removable nut plug
									

ORDER INFORMATION

	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34				
EFM2																																		
⑤⑥ Type																																		
00: Standard type																																		
02: High temp. type																																		
⑦⑧ Certificate																																		
00: None																																		
B0: DNV E0: BV																																		
C0: ABS F0: LR																																		
D0: GL G0: CR																																		
⑨ Top end model																																		
A: Cap																																		
B: Flat top+plug																																		
C: Dual flange+plug																																		
S: Welding union																																		
N: Dual flange+angle pipe																																		
⑩ Connection(C-C)																																		
1: Flange																																		
4: Slip pipe																																		
5: N/A																																		
⑪ Bottom end model																																		
B: Flat top+plug																																		
C: Dual flange+plug																																		
S: Welding union																																		
N: Dual flange+angle pipe																																		
Q: Removable nut plug																																		
Connection specification(C-C)																																		
⑫⑬																																		
00: None																																		
Flange item																																		
AK: JIS-FF																																		
AN: ANSI-RF																																		
AS: DIN-FF																																		
Thread item																																		
AA: JIS																																		
AB: ISO																																		
AC: ANSI																																		
⑭⑮																																		
00: None																																		
A5: 1/2"																																		
A7: 3/4"																																		
A8: 1"																																		
B1: 1-1/2"																																		
B2: 2"																																		
B4: 2-1/2"																																		
D6: DN15																																		
D7: DN20																																		
D8: DN25																																		
E1: DN40																																		
E2: DN50																																		
E3: DN65																																		
⑯⑰																																		
00: None																																		
01: PT male																																		
03: PF male																																		
06: BSP male																																		
07: NPT male																																		
40: 5kg/cm ²																																		
42: 10kg/cm ²																																		
48: 150Lbs																																		
49: 300Lbs																																		
57: PN 10																																		
58: PN 16																																		

(Next page)

00: None	D6: DN15
A2: 1/4"	D7: DN20
A5: 1/2"	D8: DN25
A7: 3/4"	E1: DN40
A8: 1"	E2: DN50
B1: 1-1/2"	E3: DN65
B2: 2"	
B4: 2-1/2"	

00: None	
Flange item	Thread item
40: 5kg/cm ²	01: PT male
42: 10kg/cm ²	03: PF male
48: 150Lbs	06: BSP male
49: 300Lbs	07: NPT male
57: PN 10	
58 : PN 16	

00: None	D6: DN15
A2: 1/4"	D7: DN20
A5: 1/2"	D8: DN25
A7: 3/4"	E1: DN40
A8: 1"	E2: DN50
B1: 1-1/2"	E3: DN65
B2: 2"	
B4: 2-1/2"	

Flange item	Thread item
00: None	01: PT male
40: 5kg/cm ²	03: PF male
42: 10kg/cm ²	06: BSP male
48: 150Lbs	07: NPT male
49: 300Lbs	
57: PN 10	
58: PN 16	

MA: SUS304
MB: SUS316
MC: SUS316L

EFM2
05
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28 29 30 31 **Length(C-C)** _____

Code	Length
0150~3000	150~3000mm

32 33 **Float Typt** _____

00: None

N1: OD28*105

34 **Flag Indicator** _____

00: None

A: Flag (Small)(140°C)

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