

# FLOW METER SIGHT GLASS GAUGE

## FT SERIES – Thread Connection

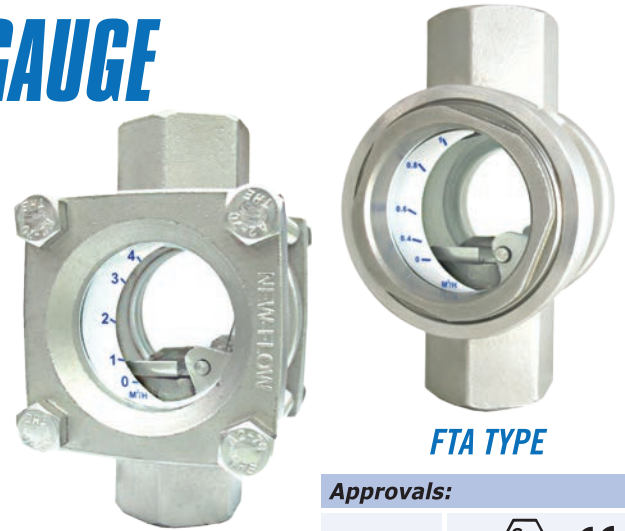
The flow meter sight glass was designed with spring paddle to indicating flow rate for easy observation of flowing fluid from any direction.

### Technical Data

- Service:** – Compatible gas and liquid – Water treatment system  
 – Industrial flow system – Double window indication
- Material:** Body– SS304(CF8), SS316(CF8M), SS316L(CF3M);  
 Paddle– SS316/SS316L; Spring– SS316L;  
 Gauge– Tempered glass; Gasket– Teflon, Gore-Tex, Graphite, Sigma 533
- Max. working temperature:** -40~150°C (Teflon), -40~240°C (Sigma 533),  
 -40~270°C (Gore-Tex), -40~270°C (Graphite)
- Max. working pressure:** FTA type– 16 kg/cm<sup>2</sup> at 25°C water  
 FTB type– 16, 25, 40 kg/cm<sup>2</sup> at 25°C water

**NOTE.**

Operating Pressure Range: 0 to 16 kg/cm<sup>2</sup> (gauge) for Ex applications.



FTB TYPE

FTA TYPE

**Approvals:**

CE 2810



II 2G Ex h IIC Tx Gb

### Dimensions

**FTA Type (with paddle)**

**FTB Type (with paddle)**

**Drip Tube Type (without paddle)**

**Mounting Position**

Size	1/2" (15A)	3/4" (20A)	1" (25A)	1 1/4" (32A)	1 1/2" (40A)	2" (50A)
L	114	114	114	130	130	150
H	72	72	72	120	120	136

Size	1/2" (15A)	3/4" (20A)	1" (25A)	1 1/4" (32A)	1 1/2" (40A)	2" (50A)
L	114	114	114	130	130	150
H	72	72	72	115	115	129

### Flow Range Table

Item Code	Flow Range	Connection Size
A	0~1.5 M <sup>3</sup> /H	1/2"(15A), 3/4"(20A), 1"(25A) available
B	0~3 M <sup>3</sup> /H	1/2"(15A), 3/4"(20A), 1"(25A) available
C	0~4 M <sup>3</sup> /H	1/2"(15A), 3/4"(20A), 1"(25A) available
D	0~8 M <sup>3</sup> /H	1 1/4"(32A), 1 1/2"(40A), 2"(50A) available
E	0~10 M <sup>3</sup> /H	1 1/4"(32A), 1 1/2"(40A), 2"(50A) available
F	0~12 M <sup>3</sup> /H	1 1/4"(32A), 1 1/2"(40A), 2"(50A) available
G	0~16 M <sup>3</sup> /H	1 1/4"(32A), 1 1/2"(40A), 2"(50A) available
H	0~18 M <sup>3</sup> /H	2"(50A)
I	0~24 M <sup>3</sup> /H	2"(50A)
Z	Option	On request

## Ordering Information

FTA/FTB	Code	Type								
	<b>W</b>	With Paddle	<b>N</b>	Without Paddle (Drip Tube)– scale unavailable						
		<b>Code</b>	<b>Body Material</b>							
	<b>A</b>	SS304 (CF8)	<b>B</b>	SS316 (CF8M)	<b>C</b>	SS316L (CF3M)				
		<b>Code</b>	<b>Size</b>							
			(1) ½"(15A) (2) ¾"(20A) (3) 1"(25A) (4) 1¼"(32A) (5) 1½"(40A) (6) 2"(50A)							
		<b>Code</b>	<b>Connection Thread (Female Thread)</b>							
			(1) NPT (2) PF (3) PT							
		<b>Code</b>	<b>Gasket Material</b>							
		<b>1</b>	Teflon							
		<b>2</b>	Gore-Tex							
		<b>3</b>	Graphite							
		<b>4</b>	Sigma 533							
		<b>Code</b>	<b>Flow Range</b>							
		<b>A~I</b>	Please refer to the Flow Range Table, and fill out the item code of requested range directly.							
		<b>N</b>	No need flow range scale							
		<b>Z</b>	Option							
		<b>Code</b>	<b>CE Mark for PED Request</b>							
		<b>3</b>	Stamp			<b>4</b>	Without			
		<b>Code</b>	<b>Explosion Proof Certification Request</b>							
		<b>N</b>	Without		<b>C</b>	<b>International IECEx Certification &amp; Europe Union ATEX Certification</b> IECEx & ATEX (Ex) II 2G) Certificate Ex h IIC xx Gb ("xx" stand for Temperature classification. Please select it as below temp. condition.) [e.g. ½"(15A), Tprocess 100°C] Please select T4 as following, and the Explosion proof marks: Ex h IIC T4 Gb				
		<b>Code</b>	<b>Temperature Classification / Condition</b>							
		<b>N</b>	Without Explosion proof certification							
		<b>T2</b>	[for size ½"(15A) to 2½"(65A): 175°C < Tprocess ≤ 270°C and Tamb ≤ 75°C [for size 3"(80A) and larger size): 140°C < Tprocess ≤ 220°C and Tamb ≤ 75°C							
		<b>T3</b>	[for size ½"(15A) to 2½"(65A): 110°C < Tprocess ≤ 175°C and Tamb ≤ 75°C [for size 3"(80A) and larger size): 85°C < Tprocess ≤ 140°C and Tamb ≤ 75°C							
		<b>T4</b>	[for size ½"(15A) to 2½"(65A): 75°C < Tprocess ≤ 110°C and Tamb ≤ 75°C [for size 3"(80A) and larger size): 60°C < Tprocess and Tamb ≤ 75°C 75°C < Tprocess ≤ 85°C and Tamb ≤ 75°C							
		<b>T5</b>	[for size ½"(15A) to 2½"(65A): 60°C < Tprocess and Tamb ≤ 75°C [for size 3"(80A) and larger size): 48°C < Tprocess and Tamb ≤ 60°C							
		<b>T6</b>	[for size ½"(15A) to 2½"(65A): Tprocess and Tamb ≤ 60°C [for size 3"(80A) and larger size): Tprocess and Tamb ≤ 48°C							
		<b>Code</b>	<b>Max. Working Pressure</b>							
		<b>0</b>	16 kg/cm²							
		<b>1</b>	25 kg/cm² (for FTB, see Note.)							
		<b>2</b>	40 kg/cm² (for FTB, see Note.)							
<b>FTA/FTB</b>										<b>Complete Ordering Code</b>

**Ordering code example:**

**FTA-W-B-1-1-A-4-C-T2-0**

- FTA = Model
- W = with paddle
- B = SS316
- 1 = 15A (½")
- 1 = NPT
- 1 = Teflon
- A = 0~1.5 M³/H
- 4 = Without
- C = Explosion Proof
- T2 = 175°C < Tprocess ≤ 270°C and Tamb ≤ 75°C
- 0 = 16 kg/cm²