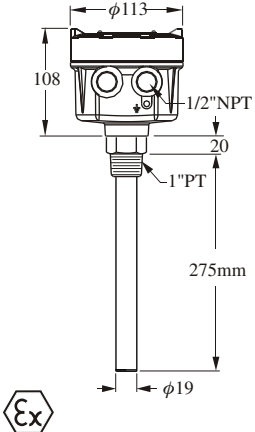
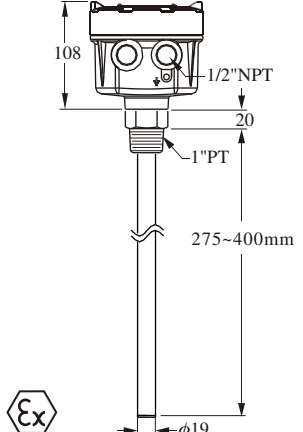
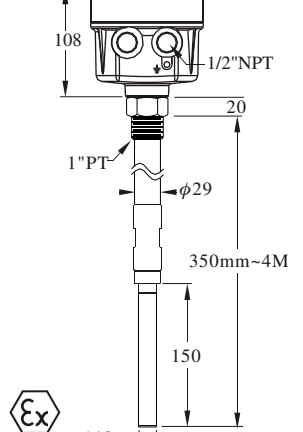


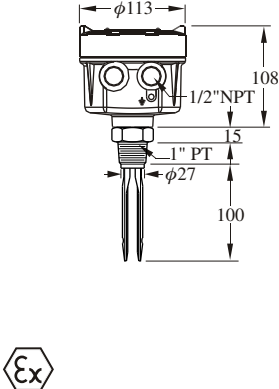
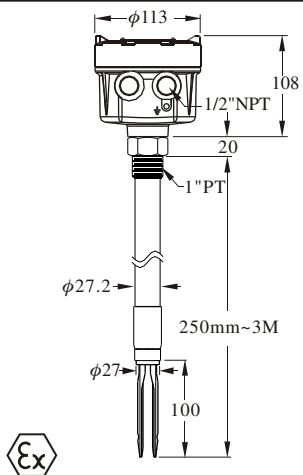
SPECIFICATION

NEPSI PROOF NO. GYJ06233 Ex d IIC T3~T6
PTB PROOF NO. 05 ATEX 1026 Ex II 2G EEx d IIB T6
Ex II 2D IP65 T6

Dimensions (Unit:mm)			
Order No.	SC1700	SC1701	SC1710
Model No.	MV70 [Standard Type]	MV70 [Probe Extension Type]	MV71 [Ultra Extension Type]
Level Sensor Housing	Aluminum / Ex d IIC T3~T6		
Probe Construction	SUS 304 / 316		
Mounting	Screw: 1"PT or PF, Flange: 1"~6"JIS / DIN / ANSI		
Conduit	1/2"NPT × 2		
Max. Vertical load on rod.	177in.Lbs(20Nm)		
Operating Pressure.	-1~150PSI (10BAR)		
Power Supply	20~250Vac/dc		
Power Consumption	15W		
Operating Temp. In Ambient Air	-40°C~60°C		
Operating Temp. In Bin	-40°C~80°C		
Signal Output	Relay, SPDT , 3A/250Vac Max.		
Min. material density sensed	Solid: ≥0.32g/cm ³		
Time Delay	0.6 Second / Operate; 2~5 Seconds / Reset		
Vibrating Frequency.	360~370HZ		
Selectable Fail-safe	Hi./ Lo.		
Selectable Sensitivity	Hi./ Mid. / Lo.		

SPECIFICATION

NEPSI PROOF NO. GYJ06233 Ex d IIC T3~T6

Dimensions (Unit:mm)	 Diagram of SC1740 probe showing dimensions: $\phi 113$, 108, 1/2" NPT, 15, 1" PT, $\phi 27$, 100. Includes Ex symbol.	 Diagram of SC1741 probe showing dimensions: $\phi 113$, 108, 1/2" NPT, 20, 1" PT, $\phi 27.2$, 250mm~3M, $\phi 27$, 100. Includes Ex symbol.
Order No.	SC1740	SC1741
Model No.	MV74 [Standard Type]	MV74 [Tuning Fork Ultra Extension Type]
Level Sensor Housing	Aluminum / Ex d IIC T3~T6	
Probe Construction	SUS 304 / 316	
Mounting	Screw: 1"PT or PF, Flange: 1"~6"JIS / DIN / ANSI	
Conduit	1/2"NPT $\times$ 2	
Max. Vertical load on rod.	177in.Lbs(20Nm)	
Operating Pressure.	-1~600PSI (40BAR)	
Power Supply	20~250Vac/dc	
Power Consumption	10VA	
Operating Temp. In Ambient Air	-40°C~70°C	
Operating Temp. In Bin	-40°C~130°C	
Signal Output	Relay, SPDT, 3A/250Vac Max.	
Min. material density sensed	Solid: $\geq 0.07\text{g/cm}^3$, Liquid: $\geq 0.7\text{g/cm}^3$	
Time Delay	0.6 Second / Operate; 1~3 Seconds / Reset	
Vibrating Frequency.	355~365HZ	
Selectable Fail-safe	Hi./ Lo.	
Selectable Sensitivity	Hi./ Lo.	

ORDER INFORMATION

SC () ()

ORDER NO.

3100: Multi-Function Vibrating Probe Standard Type
 3110: Multi-Function Vibrating Probe Extension Type
 3120: Multi-Function Vibrating Probe Ultra Extension Type
 3300: Multi-Function Vibrating Probe Cable Extension Type
 3500: Multi-Function Vibrating Probe Corrosion Proof Type
 2100: MV10/11 Vibrating Probe Standard Type
 2110: MV20 Vibrating Probe Extension Type
 2120: MV21 Vibrating Probe Ultra Extension Type
 2300: MV30 Vibrating Probe Cable Extension Type
 2500: MV50 Vibrating Probe Corrosion Proof Type
 3400: Multi-Function Tuning Fork Standard Type
 3410: Multi-Function Tuning Fork Extension Type
 3420: Multi-Function Tuning Fork Ultra Extension Type
 3440: Multi-Function Tuning Fork Corrosion Proof Type
 3450: Multi-Function Tuning Fork Sanitary Type
 1400: MV40 Tuning Fork Standard Type
 1410: MV41 Tuning Fork Extension Type
 1420: MV42 Tuning Fork Ultra Extension Type
 1540: MV54 Tuning Fork Corrosion Proof Type
 1600: MV60 Tuning Fork Sanitary Type
 1700: MV70 Explosion Proof Vibrating Probe Standard Type
 1701: MV70 Explosion Proof Vibrating Probe Extension Type
 1710: MV71 Explosion Proof Vibrating Probe Ultra Extension Type
 1740: MV74 Explosion Proof Tuning Fork Standard Type
 1741: MV74 Explosion Proof Tuning Fork Ultra Extension Type

POWER & OUTPUT MODULE

20~250Vac/ Vdc, 50/60Hz A: Relay O/P (Barrier terminal Block)
 B: Transistor PNP/NPN (Barrier terminal Block)
 R: Relay O/P (Green terminal)-EuroType
 N: Transistor PNP/NPN-EuroType

MATERIAL

0: SUS304 6: SUS316 P: PTFE

CONNECTION

D---1"(25A)	I---4"(100A)	M---5kg/cm ²	R---PF(G)	Y---PN 25
E---1-1/2"(40A)	J---5"(125A)	N---10kg/cm ²	T---BSP	Z---PN 40
F---2"(50A)	K---6"(150A)	O---150 Lbs	U---NPT	S---others
G---2-1/2"(65A)	S---others	P---300 Lbs	W---PN 10	9---Sanitary
H---3"(80A)		Q---PT	X---PN 16	

LENGTH (L) (UNIT: cm)

0500: 50cm(01~50)
 1000: 100cm(51~100)
 1500: 150cm(101~150) ※ 50cm per Unit

BEFORE YOU ORDER

1. Please affirm the voltage.
2. Please affirm the mounting positions.
3. Please affirm the material specific gravity (S.G.) value.
4. Please affirm whether any bridge block or vibrating motor are attached onto the silo wall.

Tolerance of the total product length is ± 5 mm

Characteristics, specifications and dimensions are subject to change without notice.

Please contact your nearest distributing office for further information.

ORDER INFORMATION



SC 24 ☐ ☐ 0 (T) - ☐ ☐ ☐

POWER SUPPLY & OUTPUT

0: 20~250Vac / Vdc 2 wire Contactless electronic switch.
1: 12~55 Vdc 3 wire PNP/ NPN Output.

MATERIAL

0: SUS304 6: SUS316 L: SUS316L

MODEL

0: Standard

(High temp. 150°C)

ELECTRICAL CONNECTION

A: ASI C: CABLE D: Valve plug DIN43650

CONNECTION

- | | | | | | |
|-----------------|-----------------|--------------|-------------------------|--------------------------|-------------|
| D---1"(25A) | E---1-1/2"(40A) | F---2"(50A) | M---5kg/cm ² | N---10kg/cm ² | O---150 Lbs |
| G---2-1/2"(65A) | H---3"(80A) | I---4"(100A) | P ---300 Lbs | Q---PT | R---PF(G) |
| J---5"(125A) | K---6"(150A) | S---Special | T ---BSP | U---NPT | W---PN10 |
| | | | X ---PN16 | Y---PN25 | Z---PN40 |
| | | | S ---Special | | |