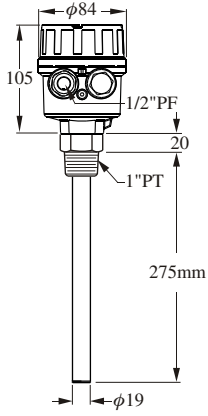
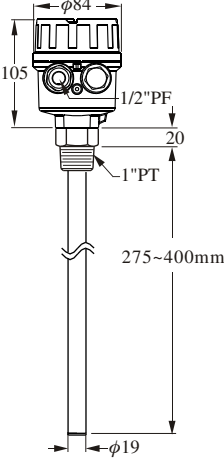
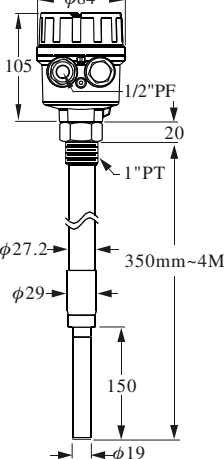
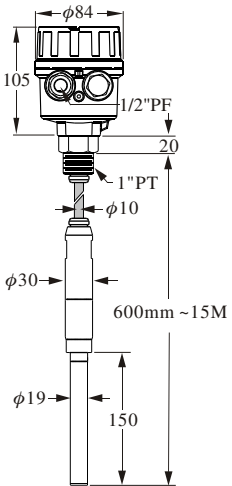
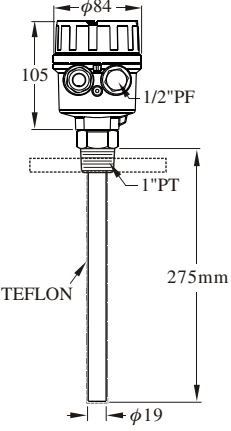


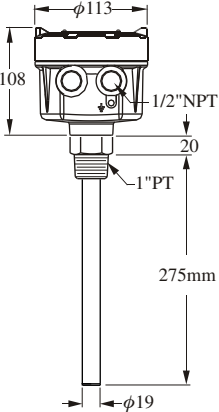
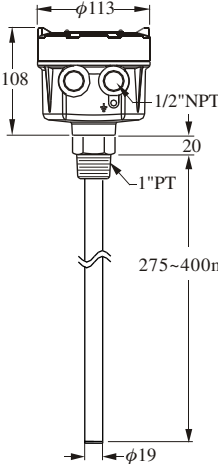
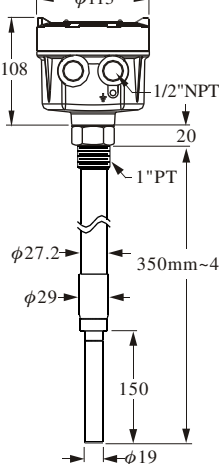
SPECIFICATION (Multi-Function Vibrating Probe Level Switch)

Dimensions (Unit:mm)			
Order No.	SC3100 【 Standard Type 】	SC3110 【 Probe Extension Type 】	SC3120 【 Ultra Extension Type 】
Level Sensor Housing	Aluminum / IP65		
Probe Construction	SUS 304 / 316		
Mounting	1"PT		
Conduit	1/2"NPT × 2		
Max. Vertical load on rod.	177in.Lbs(20Nm)		
Operating Pressure.	-1~150PSI (10BAR)		
Power Supply	20~250, 50/60Hz Vac/ Vdc		
Power Consumption	15VA (Max.)		
Operating Temp. In Ambient Air	-10°C~60°C		
Operating Temp. In Bin	-10°C~80°C		
Signal Output	Relay, SPDT, 5A/250Vac, PNP/NPN(MOSFET) 400mA/60 Vac/ Vdc		
Min. material density sensed	Solid: ≥0.32g/cm ³		
Time Delay	0.6~1 Second / Operate; 2~5 Seconds / Reset		
Vibrating Frequency.	395~405HZ		
Selectable Fail-safe	Hi./ Lo.		
Selectable Sensitivity	Hi./ Mid. / Lo.		

SPECIFICATION (Multi-Function Vibrating Probe Level Switch)

Dimensions (Unit:mm)		
Order No.	SC3300 【 Cable Extension Type 】	SC3500 【 Corrosion Proof Type 】
Level Sensor Housing	Aluminum / IP65	
Probe Construction	SUS 304 / 316	SUS 304/316 Coating TEFLON
Mounting	1"PT	Flange 1"(min.)
Conduit	1/2"NPT x 2	
Max. Vertical load on rod.	177in.Lbs(20Nm)	
Operating Pressure.	-1~150PSI (10BAR)	-1~150PSI (40BAR)
Power Supply	20~250, 50/60Hz Vac/ Vdc	
Power Consumption	15VA (Max.)	
Operating Temp. In Ambient Air	-10°C~60°C	
Operating Temp. In Bin	-10°C~80°C	
Signal Output	Relay, SPDT, 5A/250Vac, PNP/NPN(MOSFET) 400mA/60 Vac/ Vdc	
Min. material density sensed	Solid: $\geq 0.32\text{g/cm}^3$	
Time Delay	0.6~1 Second / Operate; 2~5 Seconds / Reset	
Vibrating Frequency.	395~405HZ	
Selectable Fail-safe	Hi./ Lo.	
Selectable Sensitivity	Hi./ Mid. / Lo.	

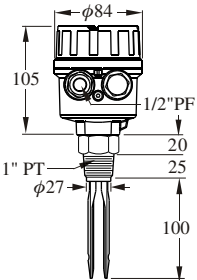
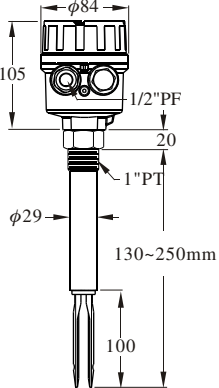
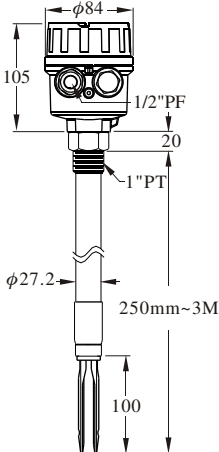
SPECIFICATION

Dimensions (Unit:mm)			
Order No.	SC2100	SC2110	SC2120
Model No.	MV10/11 [Standard Type]	MV20 [Solid Extension Type]	MV21 [Solid Extension Type]
Level Sensor Housing	Aluminum / IP65		
Probe Construction	SUS 304 / 316		
Mounting	1"PT		
Conduit	1/2"NPT × 2		
Max. Vertical load on rod.	177in.Lbs(20Nm)		
Operating Pressure.	-1~150PSI (10BAR)		
Power Supply	20~250, 50/60Hz Vac/ Vdc		
Power Consumption	15VA (Max.)		
Operating Temp. In Ambient Air	-40°C~60°C		
Operating Temp. In Bin	-40°C~80°C		
Signal Output	Relay, SPDT, 5A/250Vac, PNP/NPN(MOSFET)400mA/60 Vac/ Vdc		
Min. material density sensed	Solid: ≥0.32g/cm ³		
Time Delay	0.6~1 Second / Operate; 2~5 Seconds / Reset		
Remote-test	Yes		
Vibrating Frequency.	395~405HZ		
Selectable Fail-safe	Hi./ Lo.		
Selectable Sensitivity	Hi./ Mid. / Lo.		

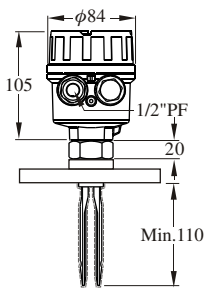
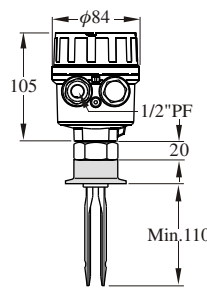
SPECIFICATION

Dimensions (Unit:mm)		
Order No.	SC2300	SC2500
Model No.	MV30 [Cable Extension Type]	MV50 [Corrosion-Proof]
Level Sensor Housing	Aluminum / IP65	
Probe Construction	SUS 304 / 316	SUS 304/316 Coating TEFLON
Mounting	1"PT	Flange 1"(min.)
Conduit	1/2"NPT × 2	
Max. Vertical load on rod.	177in.Lbs(20Nm)	
Operating Pressure.	-1~150PSI (10BAR)	-1~150PSI (10BAR)
Power Supply	20~250, 50/60Hz Vac/ Vdc	
Power Consumption	15VA (Max.)	
Operating Temp. In Ambient Air	-40°C~60°C	
Operating Temp. In Bin	-40°C~80°C	-40°C~80°C
Signal Output	Relay, SPDT, 5A/250Vac, PNP/NPN(MOSFET)400mA/60 Vac/ Vdc	
Min. material density sensed	Solid: ≥0.32g/cm ³	
Time Delay	0.6~1 Second / Operate; 2~5 Seconds / Reset	
Remote-test	Yes	
Vibrating Frequency.	395~405HZ	
Selectable Fail-safe	Hi./ Lo.	
Selectable Sensitivity	Hi./ Mid. / Lo.	

SPECIFICATION (Multi-Function Tuning Fork Level Switch)

Dimensions (Unit:mm)			
Order No.	SC3400 [Standard Type]	SC3410 [Tuning Fork Extension Type]	SC3420 [Tuning Fork Ultra Extension Type]
Level Sensor Housing	Aluminum / IP65		
Probe Construction	SUS 304 / 316		
Mounting	1"PT		
Conduit	1/2"PF × 2		
Max. Vertical load on rod.	177in.Lbs(20Nm)		
Operating Pressure.	-1~150PSI (10BAR)		
Power Supply	20~250,50/60Hz Vac/Vdc		
Power Consumption	10VA		
Operating Temp. In Ambient Air	-10°C~60°C		
Operating Temp. In Bin	-10°C~130°C		
Signal Output	Relay, SPDT, 5A/250Vac, PNP/NPN(MOSFET) 400mA/60 Vac/ Vdc		
Min. material density sensed	Solid: density: $\geq 0.07\text{g/cm}^3$ Liquid: density: $\geq 0.7\text{g/cm}^3$ Viscosity: 1~10000 cSt		
Time Delay	0.6 Second / Operate; 1~3 Seconds / Reset		
Vibrating Frequency.	350~370HZ		
Selectable Fail-safe	Hi./ Lo.		
Selectable Sensitivity	Hi./ Lo.		

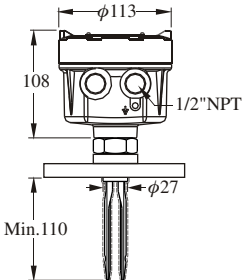
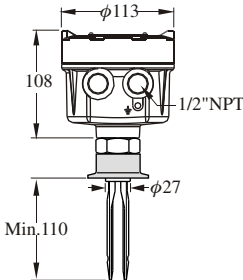
SPECIFICATION(Multi-Function Tuning Fork Level Switch)

Dimensions (Unit:mm)		
Order No.	SC3440 【Corrosion Proof Type】	SC3450 【Sanitary Type】
Level Sensor Housing	Aluminum / IP65	
Probe Construction	SUS 304/316 Coating TEFLON	SUS 304 / 316
Mounting	Flange 1"(min.)	2" Sanitary
Conduit	1/2"PF × 2	
Max. Vertical load on rod.	177in.Lbs(20Nm)	
Operating Pressure.	-1~150PSI (10BAR)	
Power Supply	20~250,50/60Hz Vac/Vdc	
Power Consumption	10VA	
Operating Temp. In Ambient Air	-10°C~60°C	
Operating Temp. In Bin	-10°C~130°C	
Signal Output	Relay, SPDT, 5A/250Vac, PNP/NPN(MOSFET) 400mA/60 Vac/ Vdc	
Min. material density sensed	Solid: density: $\geq 0.07\text{g/cm}^3$ Liquid: density: $\geq 0.7\text{g/cm}^3$ Viscosity: 1~10000 cSt	
Time Delay	0.6 Second / Operate; 1~3 Seconds / Reset	
Vibrating Frequency.	350~370HZ	
Selectable Fail-safe	Hi./ Lo.	
Selectable Sensitivity	Hi./ Lo.	

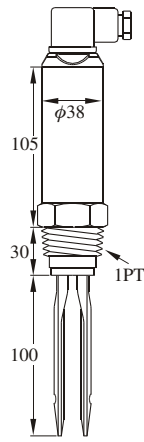
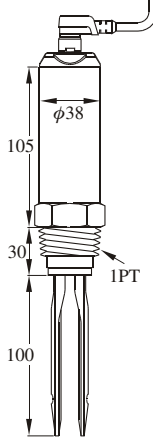
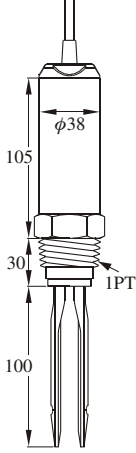
SPECIFICATION

<p>Dimensions (Unit:mm)</p>			
Order No.	SC1400	SC1410	SC1420
Model No.	MV40 [Standard Type]	MV41 [Tuning Fork Extension Type]	MV42 [Tuning Fork Ultra Extension Type]
Level Sensor Housing	Aluminum / IP65		
Probe Construction	SUS 304 / 316		
Mounting	1"PT		
Conduit	1/2"NPT × 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, 2A/250Vac Max.		
Min. material density sensed	Solid: ≥0.07g/cm ³ , Liquid: ≥0.7g/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.		

SPECIFICATION

Dimensions (Unit:mm)		
Order No.	SC1540	SC1600
Model No.	MV54 [Corrosion-Proof Type]	MV60 [Sanitary Type]
Level Sensor Housing	Aluminum / IP65	
Probe Construction	SUS 304/316 Coating TEFLON	SUS 304 / 316
Mounting	Flange 1"(min.)	2" Sanitary
Conduit	1/2"NPT × 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, 2A/250Vac Max.	
Min. material density sensed	Solid: ≥0.07g/cm ³ , Liquid: ≥0.7g/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.	

SPECIFICATION

Dimensions (Unit:mm)			
Order No.	SC2400/10 DIN Connector	SC2400/10 ASI Connector	SC2400/10 Cable Wire Type
Supply Voltage & Output	SC240□□:20~250Vac / Vdc 2 wire Contactless electronic switch. SC241□□:12~55 Vdc 3 wire PNP/ NPN Output.		
Fork Length	100mm		
Operating Temp. In Ambient Air	-40~60°C		
Storage Temp.	-40~70°C		
Operating Temp. In Bin	SC24□□□: -40~+100°C SC24□□□T: -40~+150°C		
Operation Humidity	80% RH non-condensed		
Operation Pressure	Maximum 40 Bar		
Min. material density sensed	Solid: density: $\geq 0.07\text{g/cm}^3$ Liquid: density: $\geq 0.7\text{g/cm}^3$ Viscosity: 1~10000 cSt		
Magnetic testing	Output function test performed by putting magnets near the indicated spot		
Status indication	Green light: indicate power supply Red light: indicate operating mode		
Housing material	SUS 304		
Fork Material	316L, 316, 304		
IP Protection	IP65 / IP67		
Mounting	1" PT		
Conduit	Valve plug DIN 43650 / Cable connector / ASI		

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)
 G---2-1/2"(65A) H---3"(80A) I---4"(100A)
 J---5"(125A) K---6"(150A) S---Special

M---5kg/cm² N---10kg/cm² O---150 Lbs
 P ---300 Lbs Q---PT R---PF(G)
 T ---BSP U---NPT W---PN10
 X ---PN16 Y---PN25 Z---PN40
 S ---Special