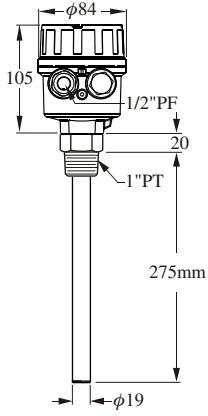
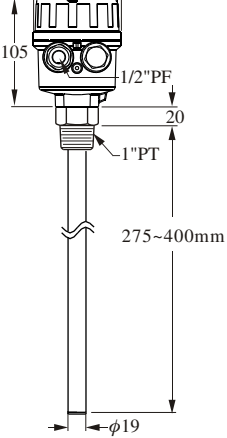
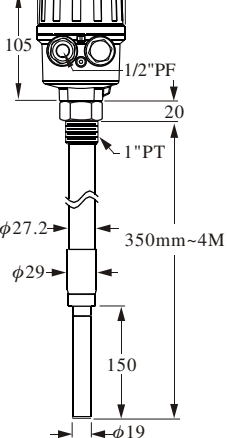


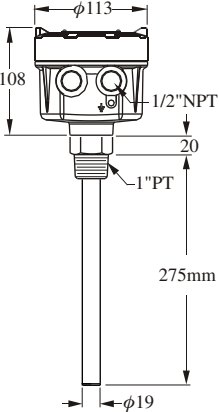
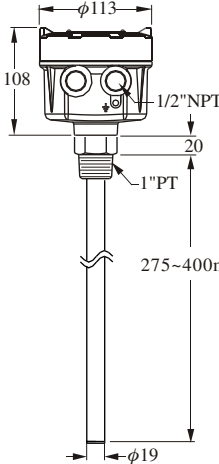
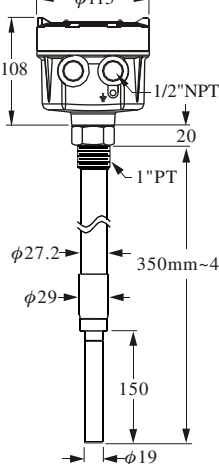
SPECIFICATION (Multi-Function Vibrating Probe Level Switch)

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 × 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: ≥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.	

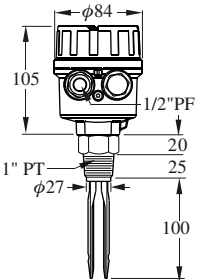
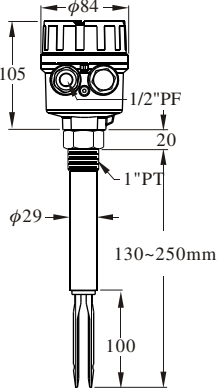
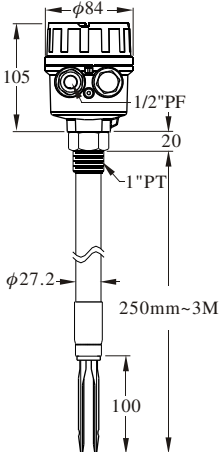
SPECIFICATION

<p>Dimensions (Unit:mm)</p>			
<p>Order No.</p>	<p>SC2100</p>	<p>SC2110</p>	<p>SC2120</p>
<p>Model No.</p>	<p>MV10/11 [Standard Type]</p>	<p>MV20 [Solid Extension Type]</p>	<p>MV21 [Solid Extension Type]</p>
<p>Level Sensor Housing</p>	<p>Aluminum / IP65</p>		
<p>Probe Construction</p>	<p>SUS 304 / 316</p>		
<p>Mounting</p>	<p>1"PT</p>		
<p>Conduit</p>	<p>1/2"NPT × 2</p>		
<p>Max. Vertical load on rod.</p>	<p>177in.Lbs(20Nm)</p>		
<p>Operating Pressure.</p>	<p>-1~150PSI (10BAR)</p>		
<p>Power Supply</p>	<p>20~250, 50/60Hz Vac/ Vdc</p>		
<p>Power Consumption</p>	<p>15VA (Max.)</p>		
<p>Operating Temp. In Ambient Air</p>	<p>-40°C~60°C</p>		
<p>Operating Temp. In Bin</p>	<p>-40°C~80°C</p>		
<p>Signal Output</p>	<p>Relay, SPDT, 5A/250Vac, PNP/NPN(MOSFET)400mA/60 Vac/ Vdc</p>		
<p>Min. material density sensed</p>	<p>Solid: ≥0.32g/cm³</p>		
<p>Time Delay</p>	<p>0.6~1 Second / Operate; 2~5 Seconds / Reset</p>		
<p>Remote-test</p>	<p>Yes</p>		
<p>Vibrating Frequency.</p>	<p>395~405HZ</p>		
<p>Selectable Fail-safe</p>	<p>Hi./ Lo.</p>		
<p>Selectable Sensitivity</p>	<p>Hi./ Mid. / Lo.</p>		

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.	

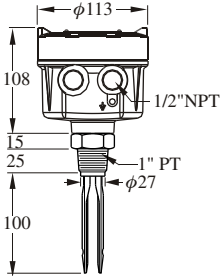
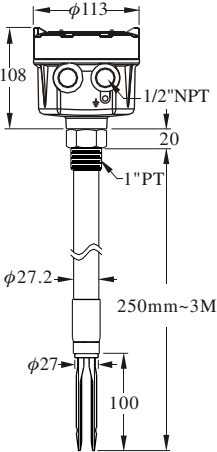
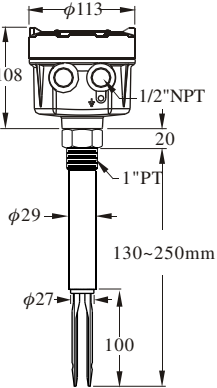
SPECIFICATION (Multi-Function Tuning Fork Level Switch)

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.	

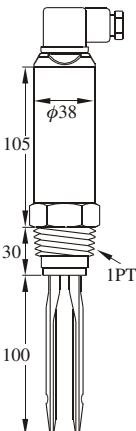
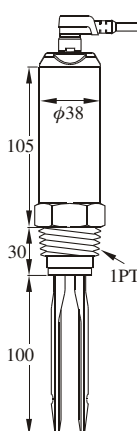
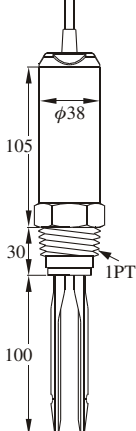
SPECIFICATION

Dimensions (Unit:mm)			
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

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

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