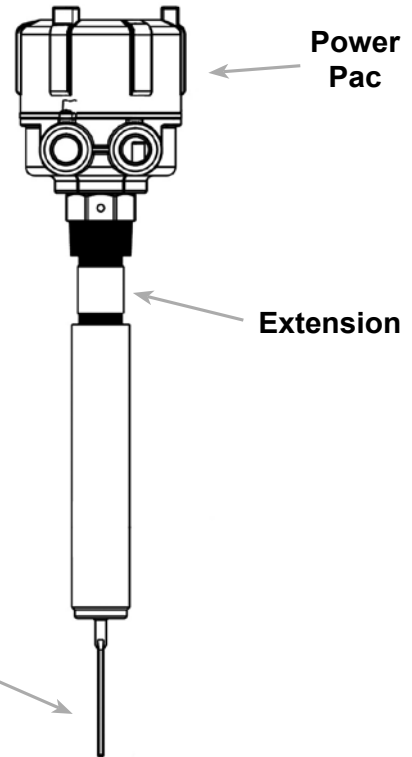


# VIBRATING ROD

Mark X if none			
Sample			
VR41.X	R.	G036	.STD



**Probes**

- .STD: Standard Probe (1, 3, 4, 5, 6)
- .HIT: High Temp Probe (1, 3)
- .SED: Sediment Probe (1, 3)
- .SAN: Sanitary Probe (2)

**Extensions** (Use XXXX if none)

- GXXX: VR Pipe Extension - 1" Galvanized (3, 6)
- SXXX: VR Pipe Extension - 1" Stainless Steel (3, 6)
- YXXX: VR Sanitary Extension (2)
- HXXX: VR Hanging Extension (4)
- (Replace XXX with length in inches)

**Remote Housing** (Use X if none)

- R. VR Remote Housing & Cable (1, 2, 3, 4)
- R. SHT Remote Housing & Cable (5, 6)

**Power Pacs**

- VR21.X: VR-21 Ordinary Locations
- VR21.C: VR-21 Hazloc
- VR31.X: VR-31 Sanitary
- VR41.X: VR-41 Ordinary Locations
- VR41.C: VR-41 Hazloc
- VR51.X: VR-51 Ordinary Locations
- SHT120.X: SHT-120
- SHT140.X: SHT-140

- 1: VR21.X
- 2: VR31.X
- 3: VR41.X
- 4: VR51.X
- 5: SHT120.X
- 6: SHT140.X

# VIBRATING ROD

ORDER CODE	DESCRIPTION	LIST PRICE	NOTES
<b>POWER PACS</b>			
<b>VR21.X</b>	VR-21 - Vibrating rod level sensor, 20 to 250V AC/DC, 7.37" insertion length, process temp to 176°F (80°C), triple thread screw-off cover, dual conduit entries, DPDT relay contacts, selectable fail-safe protection, FDA recognized powder coat finish, LED status indicator light. Ordinary locations.	Call for price	1
<b>VR21.C</b>	VR-21-X - Vibrating rod level sensor, 20 to 250V AC/DC, 7.37" insertion length, process temp to 176°F (80°C), triple thread screw-off cover, dual conduit entries, DPDT relay contacts, selectable fail-safe protection, FDA recognized powder coat finish, LED status indicator light; CSA C/US listed for Class II, Groups E, F, & G.	Call for price	1
<b>VR31.X</b>	VR-31 - Sanitary vibrating sensor, 20 to 250V AC/DC, 11.81" insertion length, with a 2" stainless steel sanitary fitting for use with tri-clover style clamp. Process temp to 176°F (80°C).	Call for price	2
<b>VR41.X</b>	VR-41 - Vibrating rod level sensor with pipe extension, 20 to 250V AC/DC, process temp to 176°F (80°C), triple thread screw-off cover, dual conduit entries, DPDT relay contacts, selectable fail-safe protection, FDA recognized powder coat finish, LED status indicator light. Must add pipe extension. Ordinary locations.	Call for price	3
<b>VR41.C</b>	VR-41-X - Vibrating rod level sensor with pipe extension, 20 to 250V AC/DC, process temp to 176°F (80°C), triple thread screw-off cover, dual conduit entries, DPDT relay contacts, selectable fail-safe protection, FDA recognized powder coat finish, LED status indicator light. CSA C/US listed for Class II, Groups E, F, & G. Must add pipe extension.	Call for price	3
<b>VR51.X</b>	VR-51 - Vibrating rod level sensor with flexible cable extension, 20 to 250V AC/DC, process temp to 176°F (80°C), triple thread screw-off cover, dual conduit entries, DPDT relay contacts, selectable fail-safe protection, FDA recognized powder coat finish, LED status indicator light. Ordinary locations.	Call for price	4
<b>SHT120.X</b>	"SHT-120 - Vibrating rod level sensor with 7.37" insertion length, 20 to 250V AC/DC, high temp probe assembly for maximum process temperature 480°F (250°C)"	Call for price	5
<b>SHT140.X</b>	"SHT-140 - Vibrating rod level sensor, 20 to 250V AC/DC, high temp probe assembly for maximum process temperature 480°F (250°C). Must add rod pipe extension."	Call for price	6
<b>REMOTE HOUSING</b>			
<b>R</b>	Set of remote electronics for VR-21, 31, 41, and 51 series vibrating rods. Remote housing includes mounting plate and 20 ft of interconnecting cable with conduit.	Call for price	1, 2, 3, 4
<b>R</b>	Set of remote electronics for SHT-120 and 140 series vibrating rods. Remote housing includes mounting plate and 20 ft of interconnecting cable with conduit.	Call for price	5, 6
<b>EXTENSIONS</b>			
<b>GXXX</b>	inches of VR 1" Galvanized pipe extension (Minimum 13" and maximum 13'). Sold per inch.	Call for price	3, 6
<b>SXXX</b>	inches of VR 1" Stainless Steel pipe extension (Minimum 13" and maximum 13') Sold per inch.	Call for price	3, 6
<b>YXXX</b>	inches of VR sanitary extension (Minimum 12" and maximum 78") Sold per inch.	Call for price	2
<b>HXXX</b>	inches of VR hanging extension (Minimum 19" and maximum 19.5') Sold per inch.	Call for price	4

- 1: VR21.X
- 2: VR31.X
- 3: VR41.X
- 4: VR51.X
- 5: SHT120.X
- 6: SHT140.X

# VIBRATING ROD

ORDER CODE	DESCRIPTION	LIST PRICE	NOTES
<b>PROBES</b>			
<b>.STD</b>	7.37" Standard diamond shaped vibrating rod probe 176°F (80°C)	Call for price	1, 3, 4, 5, 6
<b>.HIT</b>	7.37" Diamond shaped vibrating rod probe for high temperature process 284°F (140°C)	Call for price	1, 3
<b>.SED</b>	Sediment probe for detecting submersed solids	Call for price	1, 3
<b>.SAN</b>	Sanitary probe with 2" stainless steel sanitary fitting	Call for price	2
<b>MOUNTING PLATES</b>			
<b>730-0298</b>	GRMP-6 - 0° 1-1/2" NPT Powder coated carbon steel mounting plate with half coupling	Call for price	1, 3, 4, 5, 6
<b>730-0501</b>	GRMP-11 - 5° 1.5" NPT Powder coated carbon steel mounting plate with half coupling	Call for price	1, 3, 4, 5, 6
<b>730-0502</b>	GRMP-12 - 10° 1.5" NPT Powder coated carbon steel mounting plate with half coupling	Call for price	1, 3, 4, 5, 6
<b>730-0633</b>	GRMP-18 - 30° 1.5" NPT Powder coated carbon steel mounting plate with half coupling	Call or price	1, 3, 4, 5, 6
<b>ACCESSORIES</b>			
<b>215-0151</b>	Tri-clover style, quick disconnect clamp for 2" sanitary fitting	Call for price	2
<b>175-0230</b>	Tri-clover 2" Stainless steel welding ferrule flange	Call for price	2
<b>280-0084</b>	Gasket for Tri-clover 2" clamp connection	Call for price	2

- 1: VR21.X
- 2: VR31.X
- 3: VR41.X
- 4: VR51.X
- 5: SHT120.X
- 6: SHT140.X

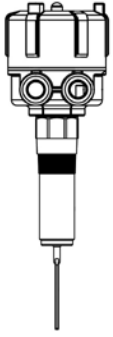
# COMPACT VIBRATING ROD

ORDER CODE	DESCRIPTION	LIST PRICE	NOTES
<b>POWER PACS</b>			
<b>730-0474</b>	CVR-600 - Compact vibrating rod level sensor with 1" NPT and 6" insertion length, 20 to 250 VAC/DC	Call for price	1
<b>730-0475</b>	CVR-600-HTL - Compact vibrating rod level sensor with 1" NPT and 6" insertion length, 20 to 250V AC/DC, high temp probe assembly for temperatures up to 300°F (150°C) with 2" temperature insulating lag tube	Call for price	1
<b>730-0653</b>	CVR-625 - Compact vibrating rod level sensor with 1-1/4" NPT and 6" insertion length, 20 to 250V AC/DC	Call for price	2
<b>730-0654</b>	CVR-625-HTL - Compact vibrating rod level sensor with 1-1/4" NPT and 6" insertion length, 20 to 250V AC/DC, high temp probe assembly for temperatures up to 300°F (150°C) with 2" temperature insulating lag tube	Call for price	2
<b>MOUNTING PLATES</b>			
<b>730-0488</b>	GRMP-10 - 0° 1" NPT Powder coated carbon steel mounting plate with half coupling	Call for price	1
<b>730-0020</b>	GRMP-1 - 0° Mild carbon steel half coupling 1.25" with black neoprene gasket	Call for price	2
<b>730-0022</b>	GRMP-2 - 0° Mild carbon steel full coupling 1.25", powder coated with black neoprene gasket	Call for price	2
<b>730-0021</b>	GRMP-3 - 0° Stainless steel half coupling 1.25" mounting plate with black neoprene gasket	Call for price	2
<b>730-0023</b>	GRMP-4 - 0° Stainless steel full coupling 1.25" with black neoprene gasket	Call for price	2
<b>730-0489</b>	GRMP-9 - 10° Mild carbon steel full coupling 1.25", powder coated with black neoprene gasket	Call for price	2
<b>730-0508</b>	GRMP-13 - 30° Mild carbon steel full coupling 1.25", powder coated with black neoprene gasket	Call for price	2
<b>730-0567</b>	GRMP-14 - 0° Mild carbon steel half coupling 1.25" with white silicone gasket	Call for price	2
<b>730-0568</b>	GRMP-15 - 0° Stainless steel full coupling 1.25" with white silicone gasket	Call for price	2
<b>730-0663</b>	GRMP-16 - 20° Mild carbon steel full coupling 1.25", powder coated with black neoprene gasket	Call for price	2

1: CVR-600

2: CVR-625

# VIBRATING ROD



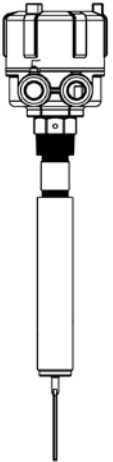
## VR-21

The VR-21 is our standard unit with a fixed insertion length of 7.37". It can be mounted on the top or side of a vessel to detect high/medium/low level indication or plugged chute detection. The standard version will operate in temperatures up to 176°F (80°C). A high temperature version is available to operate in temperatures up to 284°F (140°C). A set of remote electronics available for the VR-21 series vibrating rod includes an enclosure with mounting plate, terminal PCB and up to 20 ft. of cable to connect remote electronics.



## VR-51

The VR-51 is extendable from 19" up to 19.5' through the use of a flexible cable. This unit is always top mounted and can be used to detect high/medium/low level indication. The standard version will operate in temperatures up to 158°F (70°C). A set of remote electronics available for the VR-41 series vibrating rods includes an enclosure with mounting plate, terminal PCB and up to 20 ft. of cable to connect remote electronics.



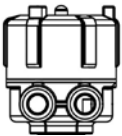
## VR-41

The VR-41 is extendable from 13" up to 13', through the use of a solid galvanized or stainless steel extension tube. This unit is normally top mounted and can be used to detect high/medium/low level indication. The standard version will operate in temperatures up to 176°F (80°C). A high temperature version available to operate in temperatures up to 284°F (140°C). A set of remote electronics is available for the VR-41 series vibrating rod includes an enclosure with mounting plate, terminal PCB and up to 20 ft. of cable to connect remote electronics.



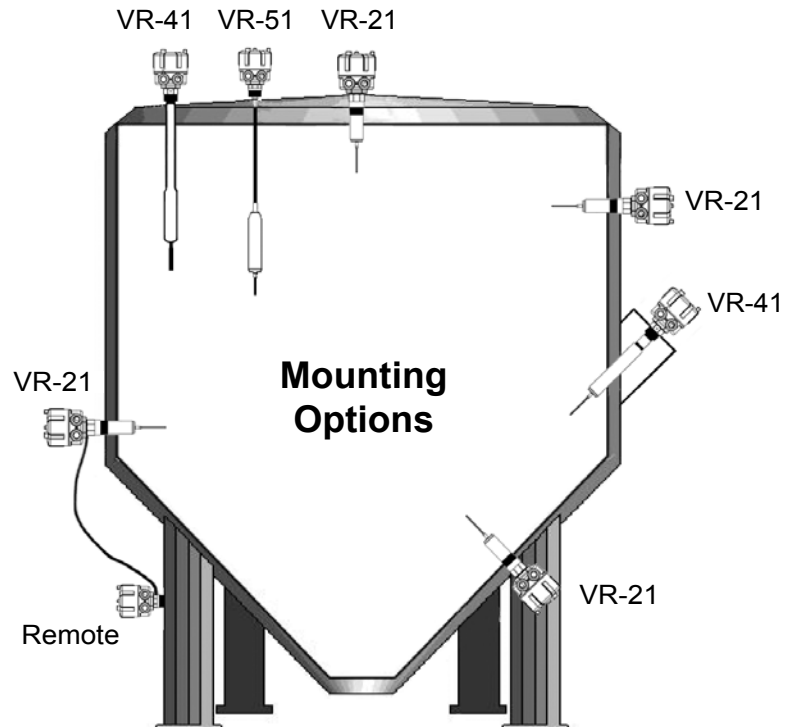
## Single Rod Design

The single rod design eliminates the problem of false signaling due to material wedging and buildup associated with "tuning fork" type probes.

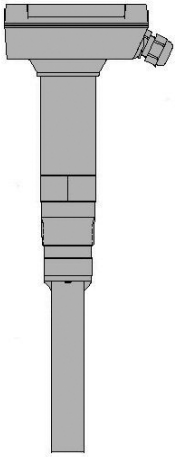


## VR-21/41/51 Remote Electronics

A set of remote electronics available for the VR-21/41/51 series vibrating rods includes an enclosure with mounting plate, terminal PCB and up to 20 ft. of cable to connect remote electronics.

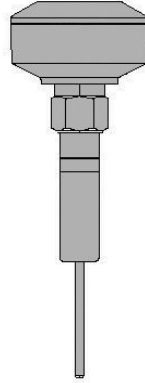


# VIBRATING ROD



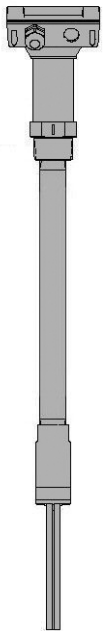
## SHT-120

The SHT-120 works in applications with high process temperatures up to 482°F (250°C). The SHT-120 is our standard unit with an insertion length of 7.24". A 2.6" temperature lag tube is standard to lag the electronics away from a heat source or to clear external insulation. A set of remote electronics available for the SHT-120 series vibrating rod includes an enclosure with mounting plate, terminal PCB and up to 20 ft. of cable to connect remote electronics.



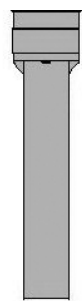
## CVR-600

The CVR-600 compact vibrating rod is an economical, single-rod, compact point level control that has been designed for use in small bins and hoppers. The CVR-600 has an insertion length of 6". The small, yet rugged design allows you to use CVR-600 where other level sensors simply won't fit.



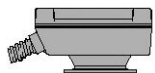
## SHT-140

The SHT-140 is extendable from 13" up to 13', through the use of a solid galvanized or stainless steel extension tube. This unit is normally top mounted and can be used to detect high/medium/low level indication. The SHT-140 works in applications with high process temperatures up to 482°F (250°C). A set of remote electronics available for the SHT-140 series vibrating rod includes an enclosure with mounting plate, terminal PCB and up to 20 ft. of cable to connect remote electronics.



## Single Rod Design

The single rod design eliminates the problem of false signaling due to material wedging and buildup associated with "tuning fork" type probes.



## SHT-120/140 Remote Electronics

A set of remote electronics available for the SHT-120/140 series vibrating rods includes an enclosure with mounting plate, terminal PCB and up to 20 ft. of cable to connect remote electronics.

