



VIVAX
METROTECH

Clamps and Clamp Accessories

Technical Specifications V2.8



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A. Typical Applications

Item	Parameter
Description	Transmitter Signal Clamp (aka Ring clamp or Coupler)
Uses	The signal clamp provides an efficient and safe method of applying a locate signal to a buried utility.

B. 2-inch / 50mm Signal Clamp (VX2/50)

Item	Parameter
Description	2-in / 50mm Signal Clamp (VM2/50)
Construction	Nylon with glass fibers and Kevlar-reinforced cable.
Maximum Utility Diameter	2-in / 50mm
Weight	With 4m lead* - 1.26lbs / (0.57kg) With 7m lead* - 1.59lbs / (0.72kg)
Dimensions	7.5in(L) x 4.4in(W) x 1.3in(H) / (190mm x 113mm x 33mm)
Cable Length*	13-ft / (4m) or 23-ft / (7m) *
Connector	Female 4-pole speakON® plug (blue) or 3-pin XLR Plug (silver)
Manufacturing	ISO 9001:2015
Environmental	IP65
Temperature Range	Operating: -4°F to 122°F (-20°C to 50°C) Storage : -40°F to 140°F (-40°C to 60°C)
Compatible Accessories	Clamp extension rod

C. 4-inch / 100mm Signal Clamp (VX4/100)

Item	Parameter
Description	4-in / 100mm Signal Clamp (VM4/100)
Construction	High-impact ABS injection molded housing with Kevlar-reinforced cable.
Maximum Utility Diameter	4-in / 100mm
Weight	With 4m lead* - 1.67lbs / (0.76kg) With 7m lead* - 2.07lbs / (0.94kg)
Dimensions	9.3in(L) x 5.8in(W) x 1.3in(H) / (235mm x 147mm x 33mm)
Cable Length*	13-ft / (4m) or 23-ft / (7m) *
Connector	Female 4-pole speakON® plug (blue) or 3-pin XLR Plug (silver)

Manufacturing	ISO 9001:2015
Environmental	IP65
Temperature Range	Operating: -4°F to 122°F (-20°C to 50°C) Storage : -40°F to 140°F (-40°C to 60°C)
Compatible Accessories	Clamp extension rod

D. 5-inch / 125mm SiS Signal Clamp (VX5/125 SiS)

Item	Parameter
Description	5" / 125mm SiS Clamp (SiS) Low-frequency clamp used for Signal Select (SiS) and Signal Direction (SD) applications.
Construction	High-impact ABS injection molded housing with Kevlar-reinforced cable.
Maximum Utility Diameter	5-in / 125mm
Weight	3.5lbs / (1.6kg)
Dimensions	15in(L) x 8.1in(W) x 2.2in(H) / (380mm x 205mm x 55mm)
Cable Length*	14.7-feet / 4.4m
Connector	Female 4-pole speakON® plug (blue) or 3-pin XLR Plug (silver)
Manufacturing	ISO 9001:2015
Environmental	IP65
Temperature Range	Operating: -4°F to 122°F (-20°C to 50°C) Storage : -40°F to 140°F (-40°C to 60°C)
Compatible Accessories	Clamp extension rod

E. 5-inch / 125mm Signal Clamp (VX5/125)

Item	Parameter
Description	5-in / 125mm Signal clamp (VX5/125)
Construction	High-impact ABS injection molded housing with Kevlar-reinforced cable.
Maximum Utility Diameter	5-in / 125mm
Weight	With 4m lead* - 1.76lbs / (0.80kg) With 7m lead* - 2.11lbs / (0.96kg)
Dimensions	10.6in(L) x 6.7in(W) x 1.6in(H) / (270mm x 170mm x 40mm)
Cable Length*	13-ft / (4m) or 23-ft / (7m) *

Connector	Female 4-pole speakON® plug (blue) or 3-pin XLR Plug (silver)
Manufacturing	ISO 9001:2015
Environmental	IP65
Temperature Range	Operating: -4°F to 122°F (-20°C to 50°C) Storage : -40°F to 140°F (-40°C to 60°C)
Compatible Accessories	Clamp extension rod

F. 9-inch / 230mm Signal Clamp (VX9/230)

Item	Parameter
Description	9-in / 230mm Signal clamp (VX9/230)
Construction	High-impact ABS injection molded housing with Kevlar-reinforced cable.
Maximum Utility Diameter	9-in / 230mm
Weight	With 4m lead* - 3.53lbs / (1.8kg)
Dimensions	17.7in(L) x 11.5in(W) x 1.8in(H) / (450mm x 293mm x 47mm)
Cable Length*	13-ft / (4m)
Connector	Female 4-pole speakON® plug (blue)
Manufacturing	ISO 9001:2015
Environmental	IP65
Temperature Range	Operating: -4°F to 122°F (-20°C to 50°C) Storage : -40°F to 140°F (-40°C to 60°C)
Compatible Accessories	Clamp extension rod

G. Flexible 18-inch/450mm Signal Clamp (VX18/450F)

Item	Parameter
Description	18-in / 450mm Flexible Signal Clamp
Construction	POM (Polyoxymethylene) with Kevlar-reinforced cable
Maximum Utility Diameter	18-in / 450mm
Weight	1.75lbs / (0.78kg)
Dimensions	1.2-in(D) x 53-in(L) / (30.2mm x 1.3m)
Cable Length	16-ft / (4.8m)

Connector	3-pin XLR Plug (silver)
Manufacturing	ISO 9001:2015
Environmental	IP65
Temperature Range	Operating: -4°F to 122°F (-20°C to 50°C) Storage : -40°F to 140°F (-40°C to 60°C)
Compatible Accessories	None

H. Operational

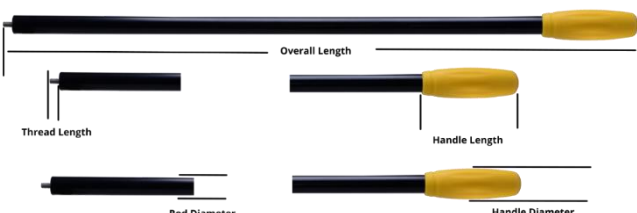
Item	Parameter		
Clamp Mode	The clamp icon on the transmitter LCD confirms that the clamp mode is active. Clamp mode is automatically selected when the clamp is plugged into a transmitter.		
Frequency Range	2"/50mm	4"/100mm	5"/125mm SiS
	8.19kHz to 83.1kHz	8.19kHz to 200kHz, *SiS 8.44 kHz, SiS 9.82 kHz	SiS491Hz, SiS982Hz, SiS8.44 kHz, SiS9.82 kHz.
	5"/125mm	9-inch / 230mm	Flexible
	8.19kHz to 200kHz *SiS 8.44 kHz, SiS 9.82 kHz	8.19kHz to 200kHz *SiS 8.44 kHz, SiS 9.82 kHz	33kHz, 83.1kHz
Compliance	CE/FCC		
Compatible Transmitters	2-Inch/50mm - Loc Series, Loc3 Series and VM Series Transmitters 4-Inch/100mm - Loc Series, Loc3 Series and VM Series Transmitters 5-Inch/125mm SiS Clamp - Loc-10SiSTx and Loc3-10SiSTx 5-Inch/125mm - Loc Series, Loc3 Series and VM Series Transmitters 9-Inch/230mm - Loc Series, Loc3 Series and VM Series Transmitters Flexible Clamp - Loc Series, Loc3 Series and VM Series Transmitters Extension Rod – Compatible with the 2"/50mm, 4"/100mm, 5"/125mm and 9"/230mm signal clamps		

I. Shipping Weight and Dimension

Item	Parameter			
Shipping Weights and Dimensions	Clamp Size	4m/13ft lead	7m/12ft lead	Dimensions
	2-inch / 50mm	1.96lbs. / (0.89kg)	2.29lbs. / (1.04kg)	14-in x 8-in x 3-in / (356mm x 203mm x 76mm)
	4-inch / 100mm	2.18lbs. / (0.99kg)	2.56lbs. / (1.16kg)	14-in x 8-in x 3-in / (356mm x 203mm x 76mm)

	5-inch / 125mm SiS	3.97lbs. / (1.8kg)	/	16-in x 8.5-in x 3-in / (400mm x 215mm x 80mm)
	5-inch / 125mm	2.27lbs. / (1.03kg)	2.62lbs. / (1.19kg)	14-in x 8-in x 3-in / (330mm x 203mm x 76mm)
	9-inch / 230mm	4.85lbs. / (2.2kg)	/	18-in x 12-in x 2-in / (465mm x 305mm x 55mm)
	4-inch / 100mm SiS	14.7-ft / 4.5m lead - 3lbs. (1.8kg)		14-in x 9-in x 3-in / (356mm x 229mm x 76mm)
	Flexible 18-inch/450mm	16-ft / 4.8m lead - 2.3lbs. (1.04kg)		13-in x 11-in x 4-in / (356mm x 279mm x 102mm)

J. Extension Rod (Accessory)

Item	Parameter
Construction	Extension Rod: PVC Handle: Rubberized grip handle Hardware: Stainless-steel threaded stud and brass threaded insert
Weight	0.5lbs / (0.24kg)
Shipping Weight	0.7lbs / (0.3kg)
Dimensions	<ul style="list-style-type: none"> - Overall Length: 29inch / 740mm - Handle Length: 4.3inch / 110mm - Thread Length: 0.4inch / 10mm - Rod Diameter: 0.9inch / 21.5mm - Handle Diameter: 1.4inch / 34.5mm 
Shipping Dimensions	30-in x 1.6-in x 1.6-in / (750mm x 40mm x 40mm)
Maximum Length	Extendable up to two rods for a length of 58-inches/1.4m
External Connectors	<ul style="list-style-type: none"> - Male thread: ¼ -Inch/ 6.35mm - Female insert: ¼ -Inch/ 6.35mm
Temperature Range	Operating: -4°F to 122°F (-20°C to 50°C) Storage: -40°F to 140°F (-40°C to 60°C)
Compatible Accessory Options	Compatible with the 2"/50mm, 4"/100mm, 5"/125mm and 9"/230mm signal clamps

K. Warranty

Item	Parameter
Warranty	12 months

Cable Length*—Cable lengths may be limited by region, and not all lengths may be available in each region.

Disclaimer: Product and accessory specification and availability information are subject to change without prior notice.