



**VIVAX**  
**METROTECH**

# Clamps and Clamp Accessories

Technical Specifications V2.8



## Worldwide Locations

### World Headquarters, United States of America

**Vivax-Metrotech Corporation**

3251 Olcott Street, Santa Clara, CA 95054, USA

T/Free : 1-800-446-3392

Tel : +1-408-734-3880

Fax : +1-408-734-3800

Website: [www.vivax-metrotech.com](http://www.vivax-metrotech.com)

Email : [SalesUSA@vxmt.com](mailto:SalesUSA@vxmt.com)

### Central/South America and the Caribbean

**Ventas para América Latina**

3251 Olcott Street, Santa Clara, CA 95054, USA

T/Free : 1-800-446-3392

Tel : +1-408-734-3880

Fax : +1-408-743-3800

Website: [www.vivax-metrotech.com](http://www.vivax-metrotech.com)

Email : [LatinSales@vxmt.com](mailto:LatinSales@vxmt.com)

### Canada

**Vivax Canada, Inc.**

41 Courtland Ave Unit 8, Vaughan, ON L4K 3T3, Canada

Tel : +1-289-846-3010

Fax : +1-905-752-0214

Website: [www.vivax-metrotech.ca](http://www.vivax-metrotech.ca)

Email : [SalesCA@vxmt.com](mailto:SalesCA@vxmt.com)

### United Kingdom

**Vivax-Metrotech Ltd.**

Unit 1, B/C Polden Business Centre, Bristol Road, Bridgwater, Somerset, TA6 4AW, UK

Tel : +44(0)1793 822679

Website: [www.vivax-metrotech.co.uk](http://www.vivax-metrotech.co.uk)

Email : [SalesUK@vxmt.com](mailto:SalesUK@vxmt.com)

### France

**Vivax-Metrotech SAS**

Technoparc - 1 allée du Moulin Berger, 69130 Ecully, France

Tel : +33(0)4 72 53 03 03

Fax : +33(0)4 72 53 03 13

Website: [www.vivax-metrotech.fr](http://www.vivax-metrotech.fr)

Email : [SalesFR@vxmt.com](mailto:SalesFR@vxmt.com)

### Germany

**Metrotech Vertriebs GmbH**

Am steinernen Kreuz 10a  
96110 Schesslitz

Tel : +49 9542 77227-43

Website: [www.vivax-metrotech.de](http://www.vivax-metrotech.de)

Email : [SalesEU@vxmt.com](mailto:SalesEU@vxmt.com)

### China

**Vivax-Metrotech (Shanghai) Ltd.**

Building 10, Lane 1158 Zhongxin Rd.,  
Songjiang District, Shanghai, China, 201615

Tel : +86-21-5109-9980

Website: [www.vivax-metrotech.com](http://www.vivax-metrotech.com)

Email : [SalesCN@vxmt.com.cn](mailto:SalesCN@vxmt.com.cn)

### 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)

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

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

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

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

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

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

### F. 9-inch / 228mm Signal Clamp (VX9/230)

Item	Parameter
<b>Description</b>	9-in / 230mm Signal clamp (VX9/228)
<b>Construction</b>	High-impact ABS injection molded housing with Kevlar-reinforced cable.
<b>Maximum Utility Diameter</b>	9-in / 225mm
<b>Weight</b>	With 4m lead* - 3.53lbs / (1.8kg)
<b>Dimensions</b>	17.7in(L) x 11.5in(W) x 1.8in(H) / (450mm x 293mm x 47mm)
<b>Cable Length*</b>	13-ft / (4m)
<b>Connector</b>	Female 4-pole speakON® plug (blue)
<b>Manufacturing</b>	ISO 9001:2015
<b>Environmental</b>	IP65
<b>Temperature Range</b>	Operating: -4°F to 122°F (-20°C to 50°C) Storage : -40°F to 140°F (-40°C to 60°C)
<b>Compatible Accessories</b>	Clamp extension rod

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

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

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

## H. Operational

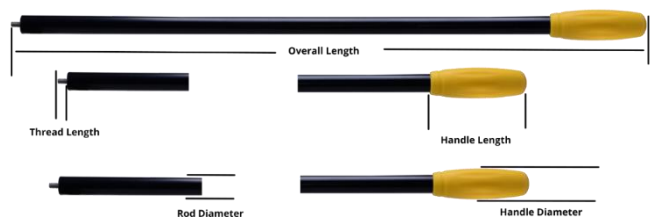
Item	Parameter		
<b>Clamp Mode</b>	The clamp icon on the transmitter LCD confirms that the clamp mode is active. Clamp mode is automatically selected when the clamp is plugged into a transmitter.		
<b>Frequency Range</b>	<b>2"/50mm</b>	<b>4"/100mm</b>	<b>5"/100mm SiS</b>
	8.19kHz to 83.1kHz	8.19kHz to 200kHz, *SiS 8.44 kHz, SiS 9.82 kHz	SiS491Hz, SiS982Hz, SiS8.44 kHz, SiS9.82 kHz.
	<b>5"/125mm</b>	<b>9-inch / 228mm</b>	<b>Flexible</b>
	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
<b>Compliance</b>	CE/FCC		
<b>Compatible Transmitters</b>	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/228mm - 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"/228mm signal clamps		

## I. Shipping Weight and Dimension

Item	Parameter			
<b>Shipping Weights and Dimensions</b>	<b>Clamp Size</b>	<b>4m/13ft lead</b>	<b>7m/12ft lead</b>	<b>Dimensions</b>
	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 / 228mm	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
<b>Construction</b>	Extension Rod: PVC Handle: Rubberized grip handle Hardware: Stainless-steel threaded stud and brass threaded insert
<b>Weight</b>	0.5lbs / (0.24kg)
<b>Shipping Weight</b>	0.7lbs / (0.3kg)
<b>Dimensions</b>	<ul style="list-style-type: none"> <li>Overall Length: 29inch / 740mm</li> <li>Handle Length: 4.3inch / 110mm</li> <li>Thread Length: 0.4inch / 10mm</li> <li>Rod Diameter: 0.9inch / 21.5mm</li> <li>Handle Diameter: 1.4inch / 34.5mm</li> </ul> 
<b>Shipping Dimensions</b>	30-in x 1.6-in x 1.6-in / (750mm x 40mm x 40mm)
<b>Maximum Length</b>	Extendable up to two rods for a length of 58-inches/1.4m
<b>External Connectors</b>	<ul style="list-style-type: none"> <li>Male thread: ¼ -Inch/ 6.35mm</li> <li>Female insert: ¼ -Inch/ 6.35mm</li> </ul>
<b>Temperature Range</b>	Operating: -4°F to 122°F (-20°C to 50°C) Storage: -40°F to 140°F (-40°C to 60°C)
<b>Compatible Accessory Options</b>	Compatible with the 2"/50mm, 4"/100mm, 5"/125mm and 9"/228mm 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.