



VIVAX
METROTECH

Transmitter Signal Clamps

Technical Specifications V2.7



Worldwide Locations

World Headquarters, United States of America

Vivax-Metrotech Corporation

3251 Olcott Street, Santa Clara, CA 95054, USA

T/Free : 1-800-638-7682

Tel : +1-408-962-9990

Fax : +1-408-734-1799

Website : www.vivax-metrotech.com

Email : 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 : +1-408-734-1400

Fax : +1-408-743-5597

Website : www.vivax-metrotech.com

Email : 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.com

Email : 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.com

Email : 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

Email : SalesFR@vxmt.com

Germany

Metrotech Vertriebs GmbH

Am steinernen Kreuz 10a
D-96110 Schesslitz

Tel : +49 954 277 227 43

Website : www.vivax-metrotech.de

Email : SalesEU@vxmt.com

A. Typical Applications

Item	Parameter
Description	Transmitter Signal Clamp
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 (VM2/50)

Item	Parameter
Description	2-in / 50mm Signal Clamp (VM2/50)
Construction	Nylon + 30% Glass Fiber
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) *
Compatible Accessories	Clamp extension rod

C. 4-inch / 100mm Signal Clamp (VM4/100)

Item	Parameter
Description	4-in / 100mm Signal Clamp (VM4/100)
Construction	High impact ABS injection molded housing
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) *
Compatible Accessories	Clamp extension rod

D. 4-inch / 100 mm SiS and SD Signal Clamp

Item	Parameter
Description	4" / 100mm Signal Select Clamp (SiS) Low-frequency clamp also used for Signal Select (SiS) and Signal Direction (SD) applications.
Construction	High impact ABS injection molded housing
Maximum Utility Diameter	4.2-in / 107mm
Weight	2.75lbs. / 1.26kg
Dimensions	11-in(L) x 6.5-in(W) x 1.7-in(H) / (279mm x 165mm x 43mm)
Cable Length*	14.7-feet / 4.4m

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
Maximum Utility Diameter	5-in / 125mm
Weight	With 4m lead* - 1.76lbs / (0.80kg) With 7m lead* - 2.11lbs / (0.96kg)
Dimensions	10.6-in(L) x 6.7-in(W) x 1.6-in(H) / (270mm x 170mm x 40mm)
Cable Length*	13-ft / (4m) or 23-ft / (7m) *
Compatible Accessories	Clamp extension rod

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

Item	Parameter
Description	18-in / 450mm Flexible Signal Clamp
Construction	POM (Polyoxymethylene)
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)

G. Operational

Item	Parameter				
Clamp Mode	<ul style="list-style-type: none"> – Applies the locate signal when placed around the utility and activated. – Is automatically selected when the clamp is plugged into a transmitter. 				
Frequency Range	2"/50mm	4"/100mm	4"/100mm SiS	5"/125mm	Flexible
	Frequencies between 8.19kHz and 83.1kHz		491Hz, 982Hz, 8.44 kHz, 9.82 kHz, and 35kHz	Frequencies between 8.19kHz & 83.1kHz	33kHz or 83kHz
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 4-Inch/100mm SiS Clamp - Loc-10SiSTx, Loc3-10SiSTx 5-Inch/125mm - Loc Series, Loc3 Series, and VM Series Transmitters Flexible Clamp - Loc Series, Loc3 Series, and VM Series Transmitters				

H. Characteristics

Item	Parameter
Environmental	IP65
Manufacturing	ISO 9001:2015
Temperature Range	Operating: -4°F to 122°F (-20°C to 50°C) Storage : -40°F to 140°F (-40°C to 60°C)
External Connectors	1 x 3 pin connection socket (XLR)

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. /	2.56/bs. /	14-in x 8-in x 3-in /

		(0.99kg)	(1.16kg)	(356mm x 203mm x 76mm)
	5-inch/125mm	2.27lbs. / (1.03kg)	2.62lbs. / (1.19kg)	14-in x 8-in x 3-in / (330mm x 203mm x 76mm)
	4-inch /100mm SiS	14.7-ft / 4.5m lead - 3lbs. (1.8kg)		13-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. Warranty

Item	Parameter
Warranty	12 months

Cable Length* - Cable lengths may be limited by region. Not all lengths may be available in each region.

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