

VIVAX

METROTECH

Calibration Certificate

Vivax-Metrotech UK

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Manufacturer:	Vivax-Metrotech	Model:	vLocPro2
Serial No.:	20401140284	Asset No.:	JB8478
Work Order:		Report No.:	
Customer:			

We certify that the instrument meets or exceeds the manufacturer published electrical specifications at the points tested. All measurements are traceable to national or international standards or have been derived by approved ratio techniques. This certificate may not be reproduced other than in full.

Calibration Information

Calibration Date: 29-APR-2026 14:10:51 Status: Passed

Top Coils					
Frequency	Driving current	Helmholtz Pair	H coil response		V coil response
128 Hz	240.0 mA	Horizontal field	+1.0982490	ok	+0.0077065 ok
		Vertical field	+0.0010394	ok	+0.0011581 ok
256 Hz	240.0 mA	Horizontal field	+1.0975797	ok	+0.0077110 ok
		Vertical field	+0.0010238	ok	+0.0014932 ok
640 Hz	80.0 mA	Horizontal field	+1.0959982	ok	+0.0077629 ok
		Vertical field	+0.0010518	ok	+0.0021332 ok
1024 Hz	40.0 mA	Horizontal field	+1.0955465	ok	+0.0078144 ok
		Vertical field	+0.0010336	ok	+0.0025329 ok
8192 Hz	4.0 mA	Horizontal field	+1.0981325	ok	+0.0081420 ok
		Vertical field	+0.0007116	ok	+0.0040576 ok
8193 Hz	4.0 mA	Horizontal field	+1.1685597	ok	+0.0085532 ok
		Vertical field	+0.0008664	ok	+0.0043880 ok
32768 Hz	2.8 mA	Horizontal field	+1.1360334	ok	+0.0089845 ok
		Vertical field	+0.0020339	ok	+0.0043905 ok
65536 Hz	2.8 mA	Horizontal field	+1.1653839	ok	+0.0110593 ok
		Vertical field	+0.0036076	ok	+0.0046380 ok
200 KHz	6.0 mA	Horizontal field	+0.7781046	ok	+0.0105094 ok
		Vertical field	+0.0083094	ok	+0.0027482 ok
Bottom Coils					
Frequency	Driving current	Helmholtz Pair	H coil response		V coil response
128 Hz	240.0 mA	Horizontal field	+1.1161567	ok	+0.0003116 ok
		Vertical field	+0.0036410	ok	+0.5387218 ok
256 Hz	240.0 mA	Horizontal field	+1.1154695	ok	+0.0003109 ok
		Vertical field	+0.0036155	ok	+0.5380900 ok
640 Hz	80.0 mA	Horizontal field	+1.1138215	ok	+0.0002745 ok
		Vertical field	+0.0034960	ok	+0.5367710 ok
1024 Hz	40.0 mA	Horizontal field	+1.1133301	ok	+0.0002369 ok
		Vertical field	+0.0034189	ok	+0.5362879 ok
8192 Hz	4.0 mA	Horizontal field	+1.1136184	ok	+0.0005354 ok
		Vertical field	+0.0035677	ok	+0.5401028 ok
8193 Hz	4.0 mA	Horizontal field	+1.1623980	ok	+0.0005818 ok
		Vertical field	+0.0037789	ok	+0.5724629 ok
32768 Hz	2.8 mA	Horizontal field	+1.1208401	ok	+0.0024515 ok
		Vertical field	+0.0029499	ok	+0.6157831 ok
65536 Hz	2.8 mA	Horizontal field	+1.1566198	ok	+0.0068144 ok
		Vertical field	+0.0023624	ok	+0.8171008 ok
200 KHz	6.0 mA	Horizontal field	+0.8282367	ok	+0.0156058 ok
		Vertical field	+0.0023724	ok	+1.3081965 ok
Calibration Current Ratio (bottom over top)					
Frequency	Driving current	Measured top current	Measured bottom current	Ratio (bottom/top)	
128 Hz	240.0 mA	239.7112250 mA	239.7127783 mA	1.0000065	ok
256 Hz	240.0 mA	239.7325723 mA	239.7081317 mA	0.9998981	ok
640 Hz	80.0 mA	79.9323660 mA	79.9298903 mA	0.9999690	ok
1024 Hz	40.0 mA	39.9934318 mA	39.9924440 mA	0.9999753	ok

8192 Hz	4.0 mA	4.0014574 mA	4.0014329 mA	0.9999939 ok
8193 Hz	4.0 mA	4.0014876 mA	4.0014542 mA	0.9999917 ok
32768 Hz	2.8 mA	2.8125897 mA	2.8125079 mA	0.9999709 ok
65536 Hz	2.8 mA	2.8191225 mA	2.8190950 mA	0.9999902 ok
200 KHz	6.0 mA	6.1419944 mA	6.1419201 mA	0.9999879 ok