






Specification Sheet

Micromate® Geophones

	ISEE GEOPHONE		DIN GEOPHONE		SWB GEOPHONE		SWP GEOPHONE		BOREHOLE GEOPHONES (COUPLED WITH BASE UNITS)	
										
PART NUMBER	721A2901	721A2902	721A3301	721A3302	721A3501	721A3502	721A3701	721A3702	721A2401	721A2402
RESPONSE STANDARD	ISEE - 2017		DIN 45669-1 CLASS 1		SS4604866 2011 (SWB)		SS025211 (SWP)		<ul style="list-style-type: none"> • ISEE - 2017 • DIN 45669-1 CLASS 1 • SS4604866 2011 (SWB) • SS025211 (SWP) 	
FREQUENCY RANGE	2 - 250 Hz		1 - 315 Hz		5 - 300 Hz		2 - 150 Hz		2 - 250 Hz (ISEE - 2017) 1 - 315 Hz (DIN 45669-1 CLASS 1) 5 - 300 Hz (SS4604866 2011, SWB) 2 - 150 Hz (SS025211, SWP)	
VELOCITY RANGE	Up to 254 mm/s (10 in/s)		Up to 254 mm/s (10 in/s)		1 - 250 mm/s (0.039 - 9.84 in/s)		0.1 - 25 mm/s (0.0039 - 0.98 in/s)		Up to 254 mm/s (10 in/s) (All Standards)	
RESOLUTION	0.00788 mm/s (0.00031 in/s)		0.00788 mm/s (0.00031 in/s)		0.00788 mm/s (0.00031 in/s)		0.000788 mm/s (0.000031 in/s)		0.00788 mm/s (0.00031 in/s) (All Standards)	
SENSOR DENSITY	2.1 g/cc (131 lbs/ft ³)		2.1 g/cc (131 lbs/ft ³)		2.1 g/cc (131 lbs/ft ³)		2.1 g/cc (131 lbs/ft ³)		1.73 g/cc (108 lbs/ft ³) (All Standards)	
CABLE LENGTH	2 m (6.5 ft)	5 m (16.4 ft)	2 m (6.5 ft)	5 m (16.4 ft)	2 m (6.5 ft)	5 m (16.4 ft)	2 m (6.5 ft)	5 m (16.4 ft)	30 m (100 ft) (All Standards)	75 m (250 ft) (All Standards)
MAXIMUM CABLE LENGTH	1,000 m (3,250 ft)		1,000 m (3,250 ft)		1,000 m (3,250 ft)		1,000 m (3,250 ft)		1,000 m (3,280 ft) (All Standards)	
TEMPERATURE RANGE	-40 to 50 °C (-40 to 122 °F)		-40 to 50 °C (-40 to 122 °F)		-40 to 50 °C (-40 to 122 °F)		-40 to 50 °C (-40 to 122 °F)		-40 to 50 °C (-40 to 122 °F) (All Standards)	
REQUIRED SOFTWARE	THOR Compliance		THOR Compliance		THOR Compliance		THOR Compliance		THOR Compliance (All Standards)	

M7064-Micromate Geophone Specifications
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