




Specification Sheet

Micromate® and Minimate Pro™ Microphones

	STANDARD OVERPRESSURE LINEAR MICROPHONE			SOUND LEVEL MICROPHONE			HIGH PRESSURE MICROPHONE
	MICROMATE	MINIMATE PRO COMPLIANCE	MINIMATE PRO ADVANCED	MICROMATE	MINIMATE PRO COMPLIANCE	MINIMATE PRO ADVANCED	MINIMATE PRO ADVANCED SENSOR
							
PART NUMBER	721A0201	720A1801	720A1801	721A2301	720A5101	720A5101	720A4801
RESPONSE STANDARD	ISEE - 2017		N/A	IEC 61672 CLASS 1		N/A	N/A
FREQUENCY WEIGHTING	Linear			A-Weight or C-Weight Response: Fast (125 ms) or Slow (1 s)		Unfiltered	Linear
FREQUENCY RANGE	2 - 250 Hz			10 Hz - 20 kHz			5 - 1,000 Hz
AMPLITUDE RANGE	Up to 500 Pa (0.0725 psi) [148 dB]			30 - 140 dB (max 160 dB)			Up to 69 kPa (10 psi) Max Pressure 1,724 kPa (250 psi)
TRIGGER LEVEL	100 - 148 dB 2 - 500 Pa 0.00029 - 0.0725 psi		0.256 - 500 Pa 0.000036 - 0.072515 psi	33 - 140 dB		0.448 - 100 Pa (normal) 0.01424 - 25 Pa (sensitive)	0.03425 - 69 kPa (0.005 - 10 psi)
SAMPLE RATES	1,024 - 4,096 S/s	1,024 - 4,096 S/s	512 - 65,536 S/s	1,024 - 4,096 S/s	512 - 4,096 S/s	512 - 65,536 S/s	512 - 65,536 S/s
RESOLUTION	0.0156 Pa (0.05 dB)	0.0156 Pa (0.05 dB)	0.0156 Pa (0.05 dB)	0.05 dB (Display Limit 0.1 dB)		0.03 Pa (normal) 0.89 mPa (sensitive)	0.00214 kPa (0.00031 Psi)
CABLE LENGTH	2 m (6.5 ft)			2 m (6.5 ft)			2 m (6.5 ft)
MAXIMUM CABLE LENGTH	75 m (250 ft)			75 m (250 ft)			75 m (250 ft)
SENSITIVITY	N/A	N/A	0.0064452 V/Pa 44.4404804 V/psi	N/A	N/A	0.0038 V/Pa (normal) (5.511 X 10 ⁻⁷ V/psi) 0.1200 V/Pa (sensitive) (0.0000174 V/psi)	0.3222605 V/psi ¹ (0.0467044 V/kPa) ¹
TEMPERATURE RANGE	-10° to 50°C (14° to 122°F)	-10 to 50°C (14 to 122°F)	-10 to 50°C (14 to 122°F)	-10° to 50°C (14° to 122°F)	-10° to 50°C (14° to 122°F)	-10° to 50°C (14° to 122°F)	N/A
REQUIRED SOFTWARE	THOR Compliance	THOR Compliance	THOR Advanced	THOR Compliance		THOR Advanced	THOR Advanced

1. See calibration certificate for nominal values.