

GAS FLOW CALIBRATION SYSTEM

Sr#	Description	Qty
1	<p><u>GAS FLOW CALIBRATION SYSTEM:</u> Specification: Model: MOLBOX1+S-A2MS /Equivalent Description: Sonic A2M Standard Base unit Molbloc Compatibility: New molbloc-S only terminal</p> <ul style="list-style-type: none"> • Power Requirement: 85V ac to 264V ac , 47Hz to 440Hz, 18VA max consumption • Vibration: Meets MIL-T-28800D • Communication Port: RS-232 (COM1)RS-232 (COM2), IEEE-488.2 • Pressure connection (molbox1 + and molbloc): Quick connectors equivalent to Swagelok QM Series (SS-QM2-B200) • Gases supported; Nitrogen (N₂), Air, Argon (Ar), Helium (He), oxygen (O₂), Ethylene (C₂H₄), Hydrogen (H₂), Ammonia (NH₃) • Valve driver option: (8) 12V outputs, Each output can sink 500ma at 12V, Max 1Amp total • MFC control option (analog input/output): Nominal voltage range: 0V to 6Vdc, Nominal Current Range: 4mA to 20mA input, 4,0 1ma to 20mA output, Accuracy: ±0.1% FS (set), ±0.05% FS (measure) <p>Option and Accessories:</p> <ol style="list-style-type: none"> i. 3078336 MFC Control option Optional board including MFC cable and connection Kit ii. 3069585 Rack Mount Kit Standard 19in. rack mount kit for molbox 1+, Panel is 5.25in. (3U) high. iii. Molbloc -S (Premium) Low pressure: 20 to 200Kpa (3 to 30psia) absolute upstream of the molbloc. Standard pressure: 50 to 500Kpa (7 to 70psia) absolute upstream of the molbloc. High pressure: 200kPa to 2Mpa (29 to p300sia) absolute upstream of the molbloc. (molbloc-S flow elements IE1-S, 2E1-S, 5E1-S, 1E2-S, 2E2-S, 5E2-S, 1E3-S, 2E3- S, 5E3-S, 1E4-S) iv. Calibration Software compatible to MOLBOX1+S-A2MS 	01 Complete set
2	<p>Limit of Supply: Must be supplied with standard accessories</p>	
3	<p>Manuals:</p> <ol style="list-style-type: none"> i. Comprehensive Technical literature of each component may be provided in English. ii. Operation, maintenance Manuals and electrical circuit drawings in English Language. 	
4	<p>Calibration Certificate All relevant certificates must be supplied</p>	
	<p>05 Years Essential Spares All relevant operational 5 years essential standards/spares may be quoted.</p>	