

## GAS FLOW CALIBRATION SYSTEM

Sr#	Description	Qty
1	<p><b><u>GAS FLOW CALIBRATION SYSTEM:</u></b></p> <p><b>Specification:</b></p> <p><b>Model:</b> MOLBOX1+S-A2MS /Equivalent</p> <p><b>Description:</b> Sonic A2M Standard Base unit</p> <p><b>Molbloc Compatibility:</b> New molbloc-S only terminal</p> <ul style="list-style-type: none"> <li>Power Requirement: 85V ac to 264V ac , 47Hz to 440Hz, 18VA max consumption</li> <li>Vibration: Meets MIL-T-28800D</li> <li>Communication Port: RS-232 (COM1)RS-232 (COM2), IEEE-488.2</li> <li>Pressure connection (molbox1 + and molbloc): Quick connectors equivalent to Swagelok QM Series (SS-QM2-B200)</li> <li>Gases supported; Nitrogen (N<sub>2</sub>), Air, Argon (Ar), Helium (He), oxygen (O<sub>2</sub>), Ethylene (C<sub>2</sub>H<sub>4</sub>), Hydrogen (H<sub>2</sub>), Ammonia (NH<sub>3</sub>)</li> <li>Valve driver option: (8) 12V outputs, Each output can sink 500ma at 12V, Max 1Amp total</li> <li>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)</li> </ul> <p><b>Option and Accessories:</b></p> <ol style="list-style-type: none"> <li><b>3078336 MFC Control option</b> Optional board including MFC cable and connection Kit</li> <li><b>3069585 Rack Mount Kit</b> Standard 19in. rack mount kit for molbox 1+, Panel is 5.25in. (3U) high.</li> <li><b>Molbloc -S (Premium)</b> 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)</li> <li><b>Calibration Software compatible to MOLBOX1+S-A2MS</b></li> </ol>	01 Complete set
2	<p><b>Limit of Supply:</b></p> <p>Must be supplied with standard accessories</p>	
3	<p><b>Manuals:</b></p> <ol style="list-style-type: none"> <li>Comprehensive Technical literature of each component may be provided in English.</li> <li>Operation, maintenance Manuals and electrical circuit drawings in English Language.</li> </ol>	
4	<p><b>Calibration Certificate</b></p> <p>All relevant certificates must be supplied</p>	
	<p><b>05 Years Essential Spares</b></p> <p>All relevant operational 5 years essential standards/spares may be quoted.</p>	