

## HEALTH AND SAFETY FORM

**SECTIONS 1,3,4, and 5 OF THIS FORM MUST BE COMPLETED AND RETURNED WITH EQUIPMENT. IF NOT, SERVICE WILL NOT BE PERFORMED.**

<b>MKS will issue:</b>	<b>Return Material Authorization (RMA) Number* :</b>	
	<input type="checkbox"/> Trade-In	
<b>Section 1: Equipment Identification</b> (one instrument per form)		
MKS Part Number:	MKS Serial Number:	Date Code:
Detailed description of reason for failure/return:		
<b>Section 2: Requirements</b>		
<p>The purpose of this document is to reduce the risk of injury to personnel who handle, disassemble, clean and repair returned equipment. Please provide complete information and adhere to all requirements. (If all of these steps are not completed, it could delay your service.)</p> <ul style="list-style-type: none"> <li>• Submit this completed form to an MKS Customer Service Representative to obtain an RMA#.</li> <li>• For Non-warranty returns, provide a copy of a PO or credit card information (credit card accepted for MKS US only.)</li> <li>• For Non-warranty repairs, if applicable remove all process wetted materials (sensors, gauges, bellows, etc.) from electronic modules, and send only the electronics.</li> <li>• Prepare the equipment for safe handling at MKS             <ul style="list-style-type: none"> <li>○ Purge process gases from all sections of the equipment.</li> <li>○ Flush and drain all fluids. Remove all residue from the equipment.</li> <li>○ Open and equilibrate the equipment with ambient air (open all valves, etc.) for a minimum of 15 minutes.</li> </ul> </li> <li>• <b>ALL PRODUCTS MUST BE RETURNED IN SEALED BAGS.</b></li> <li>• Label any equipment that has been exposed to a Copper (Cu) process, as "Copper Part".</li> <li>• Pack and ship according to all local, state, and Federal regulations. (i.e. DOT, IATA)</li> <li>• Attach a copy of this completed Health and Safety and RMA form (if required) to the <b>OUTSIDE</b> of the shipment.</li> </ul>		
<b>Section 3: Equipment Usage and Contamination Information</b> (Must be completed by a qualified technical person)		
Technical Contact information for person completing this section:		
Name:	Phone:	Email:
<p><b>MKS does not accept equipment that has been exposed to Radioactive, Biological, or Energetic (explosive) materials. This requirement also pertains to Cyanide, Mercury, Sodium Azides, Dioxins, PCBs. (No RMA # issued.)</b></p>		
<b>Chemical Information:</b> List all chemicals (gas, liquids, solids) the equipment was possibly exposed to (Check All that apply)		
<input type="checkbox"/> Air <input type="checkbox"/> Aluminum Oxide (Al <sub>2</sub> O <sub>3</sub> ) <input type="checkbox"/> Argon (Ar) <input type="checkbox"/> Carbon Dioxide (CO <sub>2</sub> ) <input type="checkbox"/> Carbon Monoxide (CO) <input type="checkbox"/> Deuterium (D <sub>2</sub> ) <input type="checkbox"/> Helium (He) <input type="checkbox"/> Hydrogen (H <sub>2</sub> ) <input type="checkbox"/> Krypton (Kr) <input type="checkbox"/> Neon (Ne) <input type="checkbox"/> Nitrogen (N <sub>2</sub> ) <input type="checkbox"/> Nitrous Oxide (NO) <input type="checkbox"/> Oxygen (O <sub>2</sub> ) <input type="checkbox"/> Titanium Oxide (TiO <sub>2</sub> ) <input type="checkbox"/> Water (H <sub>2</sub> O) <input type="checkbox"/> Xenon (Xe)	<input type="checkbox"/> Ammonia (NH <sub>3</sub> ) <input type="checkbox"/> Ammonium hydroxide (NH <sub>4</sub> (OH)) <input type="checkbox"/> Arsenic (As) <input type="checkbox"/> Arsine (AsH <sub>3</sub> ) <input type="checkbox"/> Boron Trichloride (BF <sub>3</sub> ) <input type="checkbox"/> Borane (BH <sub>3</sub> ) or Diborane (B <sub>2</sub> H <sub>6</sub> ) <input type="checkbox"/> Carbon Tetrabromide (CBr <sub>4</sub> ) <input type="checkbox"/> Carbon Tetrafluoride (CF <sub>4</sub> ) <input type="checkbox"/> Chlorine (Cl <sub>2</sub> ) <input type="checkbox"/> Dichloroethylene (C <sub>2</sub> H <sub>2</sub> Cl <sub>2</sub> ) <input type="checkbox"/> Fluoroform (CHF <sub>3</sub> ) <input type="checkbox"/> Germane (GeH <sub>4</sub> ) <input type="checkbox"/> Germanium Tetrafluoride (GeF <sub>4</sub> ) <input type="checkbox"/> Hydrogen Chloride (HCl) <input type="checkbox"/> Hydrogen Bromide (HBr) <input type="checkbox"/> Hydrogen Chloride (HCL)	<input type="checkbox"/> Hydrogen Fluoride (HF) <input type="checkbox"/> Hydrogen Selenide (H <sub>2</sub> Se) <input type="checkbox"/> Indium (In) <input type="checkbox"/> Iodothyronine deiodinase 3 (DI03) <input type="checkbox"/> Methane (CH <sub>4</sub> ) <input type="checkbox"/> Nitrogen Trifluoride (NF <sub>3</sub> ) <input type="checkbox"/> Ozone (O <sub>3</sub> ) <input type="checkbox"/> Peracetic Acid (CH <sub>3</sub> CO <sub>3</sub> H) <input type="checkbox"/> Phosphine (PH <sub>3</sub> ) <input type="checkbox"/> Sulfur Hexafluoride (SF <sub>6</sub> ) <input type="checkbox"/> Xenon Difluoride (XeF <sub>2</sub> )  <input type="checkbox"/> Other Chemicals/Byproducts **
<p>*If any chemical is selected in this section, a "-H" suffix will be added to the RMA# issued.  **If Other Chemicals/Byproducts is selected, Technical review by MKS is required before RMA#.</p>		

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<b>Return Material Authorization (RMA) Number:</b>	
Confirm this equipment was: <input type="checkbox"/> Purged <input type="checkbox"/> Drained and <input type="checkbox"/> Open to ambient air for at least 15 minutes	
Was this Equipment: <input type="checkbox"/> Flushed? <input type="checkbox"/> Decontaminated? If so, explain the procedure:	
<b>Copper (Cu) Process:</b> Equipment exposed to Copper (Cu) containing processes must be identified.	
Was this equipment ever exposed to a process containing Copper (Cu)? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, double Bag the parts, label the outside bag and packing slip as "Copper Part". Label final shipping container "Copper Part" and place a strip of orange tape on the container.	
<b>Section 4: Declaration</b>	
I hereby declare that the information supplied on this form is complete and accurate and I am a qualified technical person with the process knowledge to complete this form accurately. In addition, the returned equipment has not been exposed to biological, radioactive, or energetic (explosive) materials, and will be shipped in accordance with all appropriate federal, state, and local regulations regarding packaging, transportation, and labeling of hazardous materials where required. I understand that MKS Instruments may request a Safety Data Sheet for materials listed. I also understand that following MKS inspection, if the equipment is found to not be suitable for safe handling and disposal due to contamination, you may be subject to a service fee to cover product decontamination, special handling, and/or waste disposal costs.	
Name:	Signature:
Date:	
<b>Section 5: Customer Information</b>	
<b>SHIP TO:</b>  Company:  Address:  City:                      State:                      Zip Code:  Phone:  Email:	<b>BILL TO:</b>  Company:  Address:  City:                      State:                      Zip Code:  Phone:  Email: