



# IMPORTANT SAFETY INFORMATION



## PLEASE READ THE MANUAL BEFORE USING!

THE MANUAL IS AVAILABLE FROM PRIOR SCIENTIFIC (WWW.PRIOR.COM) AND SHOULD BE READ AND UNDERSTOOD BEFORE INSTALLATION AND USE

- Adhere to all warnings on the product, on this sheet and in the user manual.
- This product MUST NOT be exposed to open flames, extremely hot or cold temperature, water or moisture. DO NOT allow objects to fall, or liquids to spill, on the product.
- Connect the AC power cord only to designated power sources as marked on the product. Make sure the electrical cord is located so that it will not be subject to damage. Ensure that the mains power is easily and quickly accessible should the unit need to be switched off.
- Only connect this product to an earthed power supply, as this is a Class I product and so must be earthed.
- **DANGER – Never alter the AC cord or plug.** The power cord set must be an appropriately rated and approved cord set in accordance in the regulations of the country it is used in. If the supplied plug adapter is not the correct fitting for your geographic area or if you are unsure about the relevant regulations, please contact your supplier for advice.
- **DANGER - RISK OF ELECTRICAL SHOCK!** The high voltage drivers can produce hazardous currents and voltages. Use caution when operating drivers and when handling linear actuators
- Before disconnecting or connecting any component, or changing a fuse, ensure the equipment is disconnected from the mains supply.
- Piezoactuators have large capacities and are capable of storing hazardous amounts of electricity over long periods of time. Load and temperature changes also cause accumulation of charge. Before disconnecting NanoScanZ:



- 1) Set the command voltage to 0.0V
- 2) Turn the AC power to the NanoScanZ OFF
- 3) Wait at least one minute

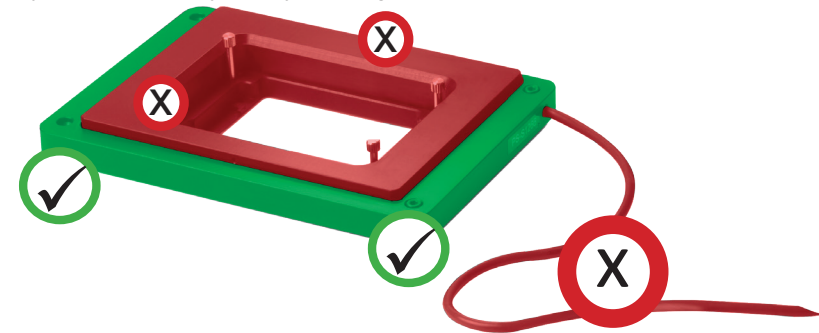


## NANOSCANZ STAGE

THE NANOSCAN Z IS A DELICATE AND PRECISE SCIENTIFIC INSTRUMENT AND SHOULD BE **HANDLED WITH CARE**



DO NOT lift by the cable; always lift by the stage frame (outer portion)



DO NOT move the translation stage by pushing it with your hands or with any object

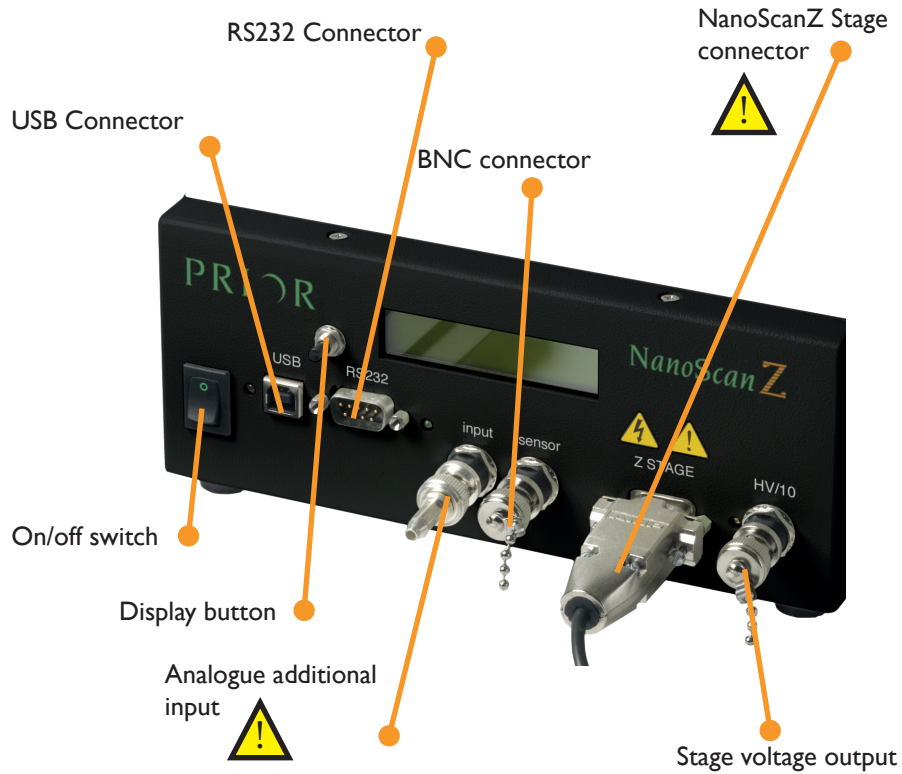
DO NOT apply a torque between the moving stage and the frame.

DO NOT plug the RS232 connector into the stage socket; this is likely to cause severe damage to your controller.

- **Do not attempt to disassemble, tamper with, or repair this product; it contains NO user serviceable parts and doing so may void the warranty.** Service should be performed ONLY by authorised service centres.
- Ensure that the ventilation slots in the controller case are free from obstruction.
- This product is designed to comply with BSEN 61010-1 and can be flash tested. It is fitted with radio frequency interference suppressors. Performing repeated flash tests can damage equipment and should be avoided. Only a DC test should be performed.
- If unsure, **please contact Prior or an approved representative if you have any questions or comments.**

# NANOSCANZ CONTROL

# NANOSCANZ STAGE



A specific sample holder (gold) must be placed into the NanoScanZ stage (green) which in turn fits into the Prior motorised stage (uncoloured).

**NEVER CONNECT THE OPTIONAL ANALOGUE INPUT AND THE USB OR RS232 CONNECTOR SIMULTANEOUSLY. DAMAGE TO THE UNIT MAY RESULT.**

**THE ANALOGUE INPUT MUST BE CAPPED IF NOT IN USE.**

**THE STAGE CONNECTOR OUTPUTS HIGH VOLTAGE. ENSURE THE STAGE CONNECTOR IS SECURELY SCREWED INTO THE SOCKET BEFORE POWERING THE SYSTEM. DO NOT PLUG ANY OTHER CONNECTOR INTO THIS SOCKET!**

**BEFORE CONNECTING ANYTHING TO THE NANOSCANZ CONTROLLER ENSURE IT IS SWITCHED OFF!**

NanoScanZ Quick Start Guide © Prior Scientific 2017  
W4649 Rev A  
Visit [www.prior.com](http://www.prior.com) for more information