

Safety Information



READ AND FOLLOW THESE SAFETY INSTRUCTIONS!



HIGH VOLTAGE: Indicates presence of hazardous voltage. Unsafe practice could result in severe personal injury or death.



Laser Danger: Denotes a laser (IEC Class 3B) is part of the operating system of the device. Laser power range is 5-500 mW.

Visible laser radiation: Avoid exposure to beam. Do not stare into beam or view directly with optical instruments.



BEFORE POWER IS APPLIED TO THIS INSTRUMENT, GROUND IT PROPERLY through the protective conductor of the AC power cable to a power source provided with protective earth contact. Any interruption of the protective (grounding) conductor, inside or outside the instrument, or disconnection of the protective earth terminal could result in personal injury.



CONTACT ETS-LINDGREN PRIOR TO SERVICING. Servicing (or modifying) the unit by yourself may void your warranty. If you attempt to service the unit by yourself, disconnect all electrical power before starting. There are voltages at many points in the instrument that could, if contacted, cause personal injury. Only trained service personnel should perform adjustments and/or service procedures upon this instrument. Capacitors inside this instrument may still be CHARGED even when instrument is disconnected from its power source.



Never rock or tilt. Rocking or tilting equipment can cause injury and damage equipment.



Fall Hazard: Do not climb on equipment.



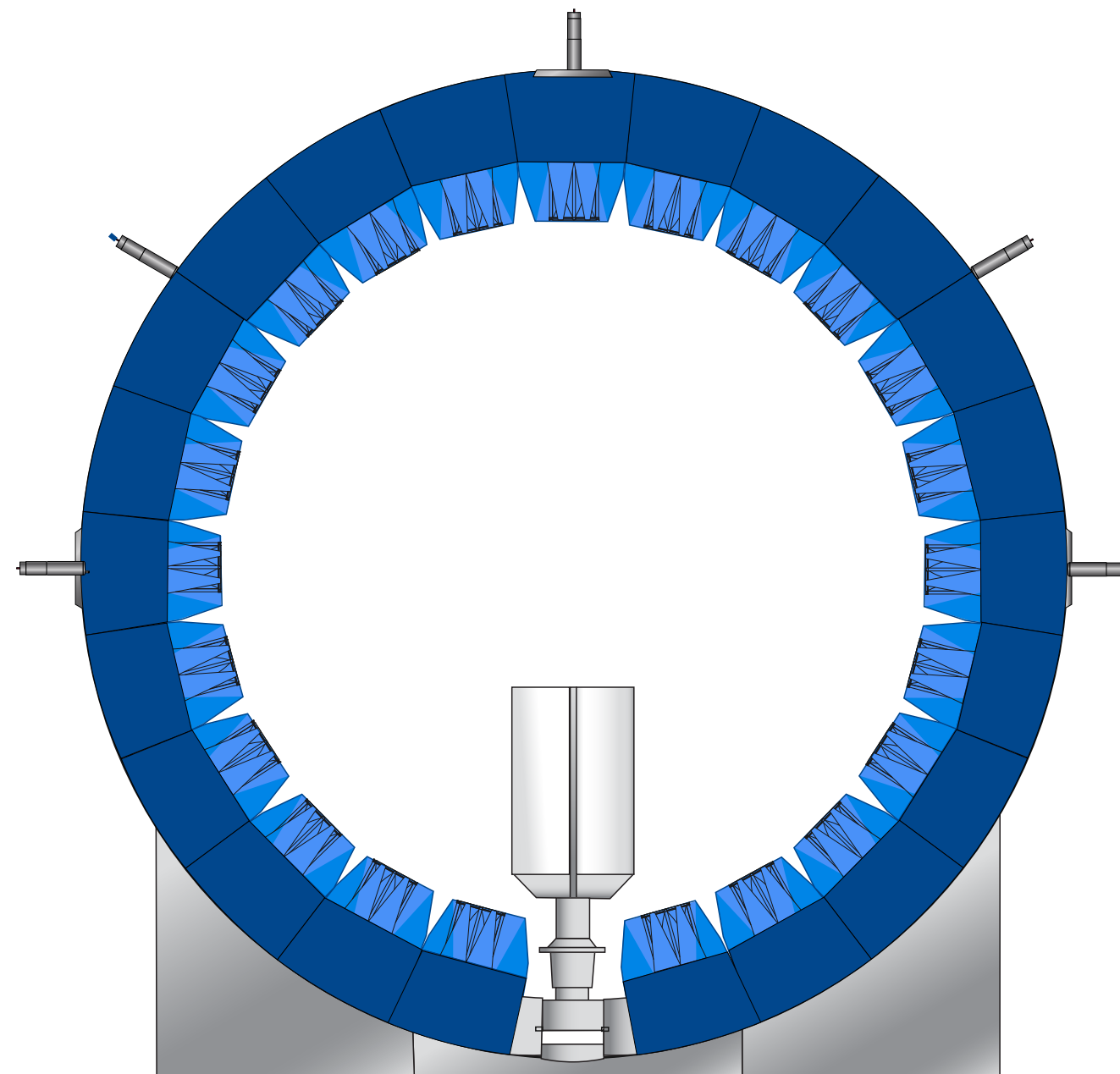
Waste Electrical and Electronic Equipment (WEEE) Directive: (European Union) At end of useful life, this product should be deposited at an appropriate waste disposal facility for recycling and disposal. Do not dispose of with household waste.

For additional safety information, see the *Product Information Bulletin* included with your shipment.

Product Information Bulletin

See the ETS-Lindgren Product Information Bulletin included with your shipment for the following:

- Safety, regulatory, and other product marking information
- ETS-Lindgren calibration service
- Steps to receive your shipment
- ETS-Lindgren contact information
- Steps to return a component for service

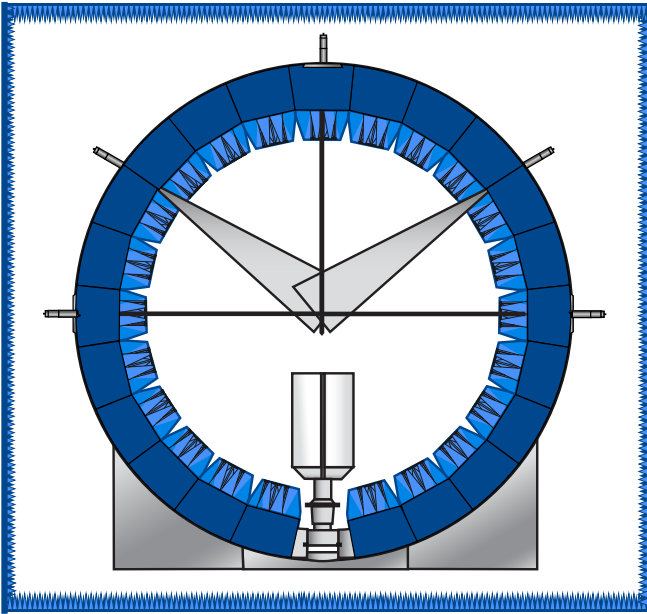


Note: ETS-Lindgren may substitute a similar part with the same functionality for another part.

These components are required to connect the AMS-8923:

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AMS-8923 (shown in chamber)



Ring Laser Power Converter

Converter (part# 1701157)

Power Supply (part# 1705516)

Converter (part# 1701159)

Sensor Position Display (part# 115014)

Laser Cable (part# 665092)

Laser Control (part# 115017)

Feed-Through Panel (part# 115040)

Main Control Switch Unit (MCSU) (part #1716548)

Front

Back

4-Conductor Cable (part# 660046)

8-Conductor Cable (part# 660047)

BNC Cable (part# 106043-10m)

10-Meter Fiber Optic Cable (part# 705344-10)

Additional cables (as required by configuration)

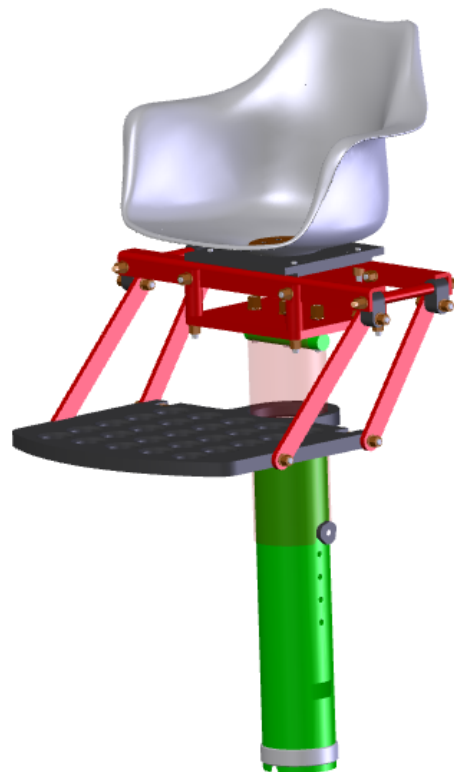
Test Instrumentation (required units provided by customer)

PC (required units provided by customer)



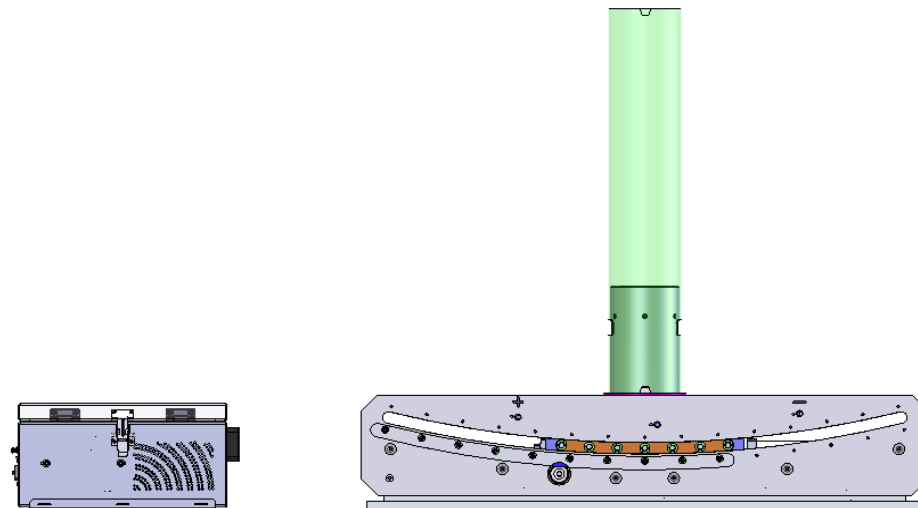
Note: ETS-Lindgren may substitute a similar part with the same functionality for another part.

Chair



Chairs are available in multiple adjustable heights to accommodate a variety of testing situations.

Goniometer

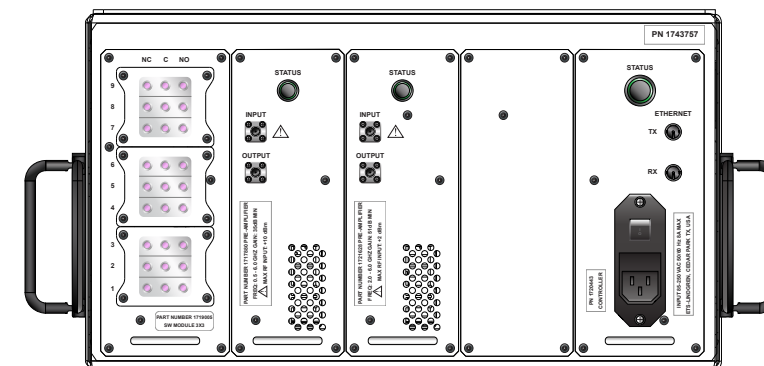


Column Rotation: Drive is continuous rotation. (AXIS 1)

Travel: Goniometer can travel +/- 7.5 degrees from the base. (AXIS 2)

Chair Sensor: When a chair is placed on the column drive, the goniometer is locked in *chair mode*, which limits the speed of the column drive (AXIS 1) and prohibits the goniometer (AXIS 2) from functioning.

MASU



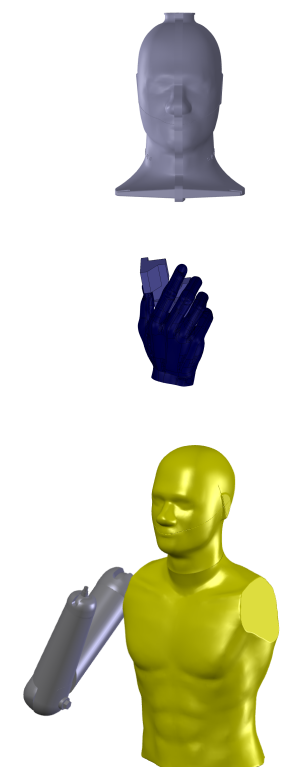
The **Modular Amplifier and Switch Unit (MASU)** consists of a power module, one or more RF amplifier modules and one RF SPDT switch module.

Adaptable: Several options are available for both the switch and pre-amp modules.

Connects to a computer either directly via Ethernet over Fiber or through fiber optic to the MCSU.

Controlled by EMQuest software or a browser connected to the network.

OTA Testing Fixtures



OTA Testing Fixtures simulating hands, heads, and torsos are available, including options for right and left hands.

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Before connecting any components, see **Safety Information** on the back page of this document.

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