

Goniometer

Terms and Conditions- October 2014

1. Shipment to CUSTOMER

- a. F.O.B. HOFFMAN Engineering, 8 Riverbend Drive Stamford CT 06907
- b. Common Carriers will be utilized. The CUSTOMER is responsible for transportation charges.
- c. Unloading from the common carrier truck is the responsibility of the receiving location. If a Rigger is hired, which is necessary in most cases, this is the responsibility of the CUSTOMER.
- d. Unpacking of the Goniometer and associated equipment is the responsibility of the CUSTOMER.
- e. Damage associated with shipment or unpacking is the responsibility of the CUSTOMER.

2. Shipment of Goniometer from the CUSTOMER [if applicable]

- a. F.O.B. HOFFMAN Engineering, 8 Riverbend Drive Stamford CT 06907
- b. Shipping requirements
 - i. Hard pallet mount
 - ii. Maximum height 96 inches
 - iii. Maximum package weight 2000 lbs
 - iv. Environmentally protected packaging
 - v. Multiple pallets as required

3. Preparation of facility for installation

- a. AC power (115VAC/60 Hz) must be available at installation; HOFFMAN will not modify facility AC power. There must be separate AC receptacles available for the Goniometer Gantry inside the tunnel, the Control Console outside of the tunnel and the Detectors within the tunnel.
- b. The tunnel construction and condition are the responsibility of the CUSTOMER. The Goniometer System is designed to work to the SAE J1330 specification as applied within the guidelines of the physical requirements as described within the specification. HOFFMAN will supply a recommended layout drawing with the quotation. We strongly recommend that these recommendations be followed.
- c. The facility must be clean and without obstruction. HOFFMAN will not move any items within facility (including former Goniometer if applicable) not owned by HOFFMAN.
- d. It is the CUSTOMER's responsibility to have personnel, equipment and hardware available to drill mounting holes for the Goniometer Gantry, and Detector tree(s) during the installation of the Goniometer System by HOFFMAN's installer(s).
- e. Cabling between the Detectors, Goniometer and Console must be in place prior to the arrival of HOFFMAN's installer(s) and, if CUSTOMER required, mounted or hidden. This does not include the attachment of the wiring to the associated equipment.
- f. Work permits and preparation of any documentation for HOFFMAN to work within the CUSTOMER's country are the CUSTOMER's responsibility. The CUSTOMER must forward the appropriate documentation to HOFFMAN prior to HOFFMAN's initiation of travel.

4. Support requirements for installation

- a. HOFFMAN requires, on an as needed basis, aid in movement of the Goniometer or tool cases within the facility.
- b. HOFFMAN requires facility personnel to drill mounting holes for the Goniometer frame and the Detector tree(s).
- c. The CUSTOMER is responsible for removal and disposal of all packaging material.
- d. The CUSTOMER must accept the delivery of HOFFMAN tools and tool containers prior to the installation. The CUSTOMER must also facilitate or support the return shipment logistics of HOFFMAN's tools and tool containers upon completion of the installation. (HOFFMAN will prepay the return shipping costs)
- e. If the CUSTOMER's facility is unionized, it is the CUSTOMER's responsibility to schedule, and to make available, the necessary support personnel required to ensure compliance with the union regulations.

5. Level of installation work for which HOFFMAN is responsible

- a. HOFFMAN is responsible for installation, calibration and verification of basic operations of the Goniometer. HOFFMAN will require a sign off of the installation by a CUSTOMER representative.

- c. If the installation process is interrupted or delayed due to lack of preparation, lack of available personnel or other issues outside of the control of HOFFMAN's installation team, the CUSTOMER will be liable for additional expenses, including labor and travel, associated with the delay.

- d. HOFFMAN requires access to the installation from 8 am to 8 pm during the scheduled installation days.

6. Upgrade Issues

- a. AC power must be available prior to the installation; HOFFMAN will not modify facility AC power.
- b. Hoffman will remove the motor controller, angle encoder, breakout box, associated wiring, and replace each on the Goniometer Gantry.
- c. The existing Goniometer System, prior to HOFFMAN's upgrade, must be in a fully operational, calibrated condition. If not, the CUSTOMER is responsible in advising HOFFMAN of any issues that must be addressed in addition to the standard upgrade.
- d. The facility must be clean and without obstruction. HOFFMAN will not move any items within the facility (including Goniometer if applicable) not owned by HOFFMAN.
- e. The CUSTOMER is responsible for having personnel, equipment and hardware available to drill mounting holes for the Goniometer Gantry and Detector tree(s) during the installation of the Goniometer System by HOFFMAN's installer(s).
- f. The CUSTOMER is responsible for removal and disposal of the existing Detector cabling between Detector tree(s), the Goniometer Gantry and the Console. The Projector cable should not be changed. The CUSTOMER is responsible for installation of new cables. The CUSTOMER is required to mount or hide cables if desired. This does not include the attachment of the wiring to the associated equipment.

7. Warranty of Installation Work

- a. HOFFMAN is responsible for the installed Goniometer for one year. This warranty includes parts, materials and workmanship involved in the installation and does not include associated wiring or CUSTOMER involved installation activities. Upgraded or repaired products are warranted to the extent of the new material(s).

8. Acceptance of Goniometer Installation

- a. The CUSTOMER is required to sign an acceptance of the installation based on the Goniometer operation and the completion of the associated training prior to Hoffman personnel leaving the installation site. Upon signature, the title of the Goniometer System is transferred to the CUSTOMER.
- b. HOFFMAN does not offer a CUSTOMER inspection at HOFFMAN's facility as part of the Standard Terms and Conditions. If requested by a CUSTOMER, it will be addressed as an additional item within the quotation.
- c. HOFFMAN does not offer CUSTOMER design reviews, progress reports or teleconferences within our standard. If these items are required, they will be separately priced.

9. Standard Software Suite

- a. Installation will verify operation of HOFFMAN's standard software suite. Specialized or custom software will be handled outside of these standard terms.

10. Service responsibilities

- a. HOFFMAN provides support through a customer support agreement that is separately offered. Hoffman's standard Goniometer sale does not include additional product support beyond the standard warranty for replacement of parts or materials due to failure.

11. Training

- a. Installations may include training of a specified duration if referenced in the quote and the resultant purchase order. The training is dependent on the CUSTOMER providing product samples and fixturing to facilitate a test sequence. The training process will be limited to a specific number of persons thereby answering all questions effectively.
- b. Data Correlations are not included within the standard training.
- c. Ongoing training requirements are offered through a customer support agreement that is separately offered.