



Service Bulletin

MP-Series Calibration Target and Maintenance

Overview

Over time, the calibration target can accumulate moisture, especially in humid environments. Such accumulation of water can compromise LN2 calibration. This bulletin provides instructions for inspecting the calibration target and removing moisture from it.

Note:

Depending on environmental humidity, consider performing LN2 calibrations indoors or at a time of day when humidity is lowest.

Procedure

1. Remove the Styrofoam from the calibration target body (Figure 1).

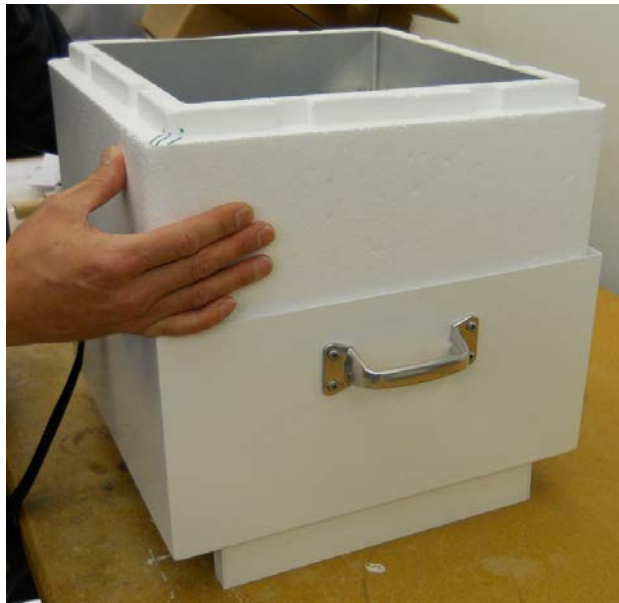


Figure 1. Lifting Styrofoam box from the target body

2. Inspect the Styrofoam exterior for any cracks or damage, particularly the bottom side (Figure 2).



Figure 2. Inspecting Styrofoam

If Styrofoam is cracked or damaged, contact Radiometrics Corporation Customer Service, support@radiometrics.com or 303-449-9192.

3. Remove the metal frame and microwave-absorbing foam, being careful to not tear the protective liner (Figure 3).

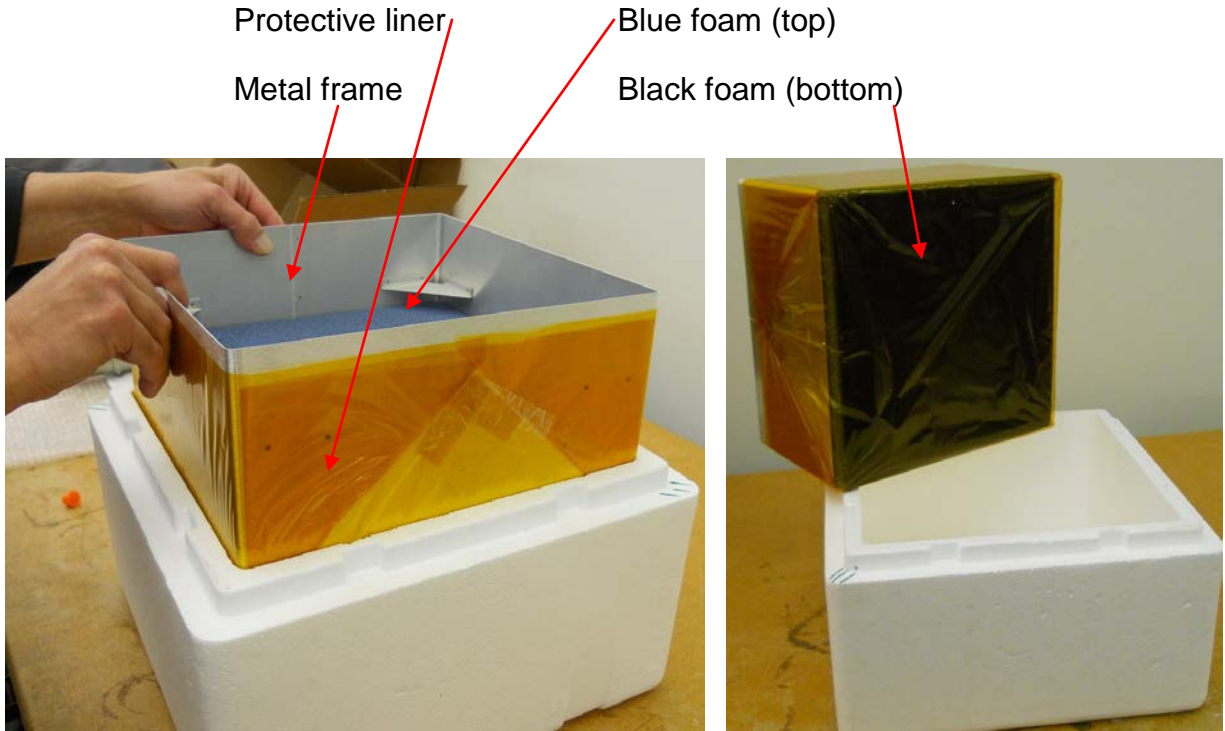


Figure 3. Removing and inspecting microwave absorbing foam

If the protective liner is torn or damaged, contact Radiometrics Corporation Customer Service, support@radiometrics.com or 303-449-9192.

4. Inspect the bottom of the target for any moisture or condensation.
5. Carefully remove the protective liner and inspect the foam for moisture (Figure 4).



Figure 4. Untaping and removing protective liner

Both sides of the foam should be dry, not even moist. If the foam is not dry, drying may be achieved by the following:

- Placing the target foam in direct sunlight
 - Using a hairdryer to dry the foam
 - Placing the target foam in a warm, dry environment (not to exceed 45° C)
6. When finished examining or drying the foam, replace the protective liner around the metal frame and insert it back into the Styrofoam (Figure 5).

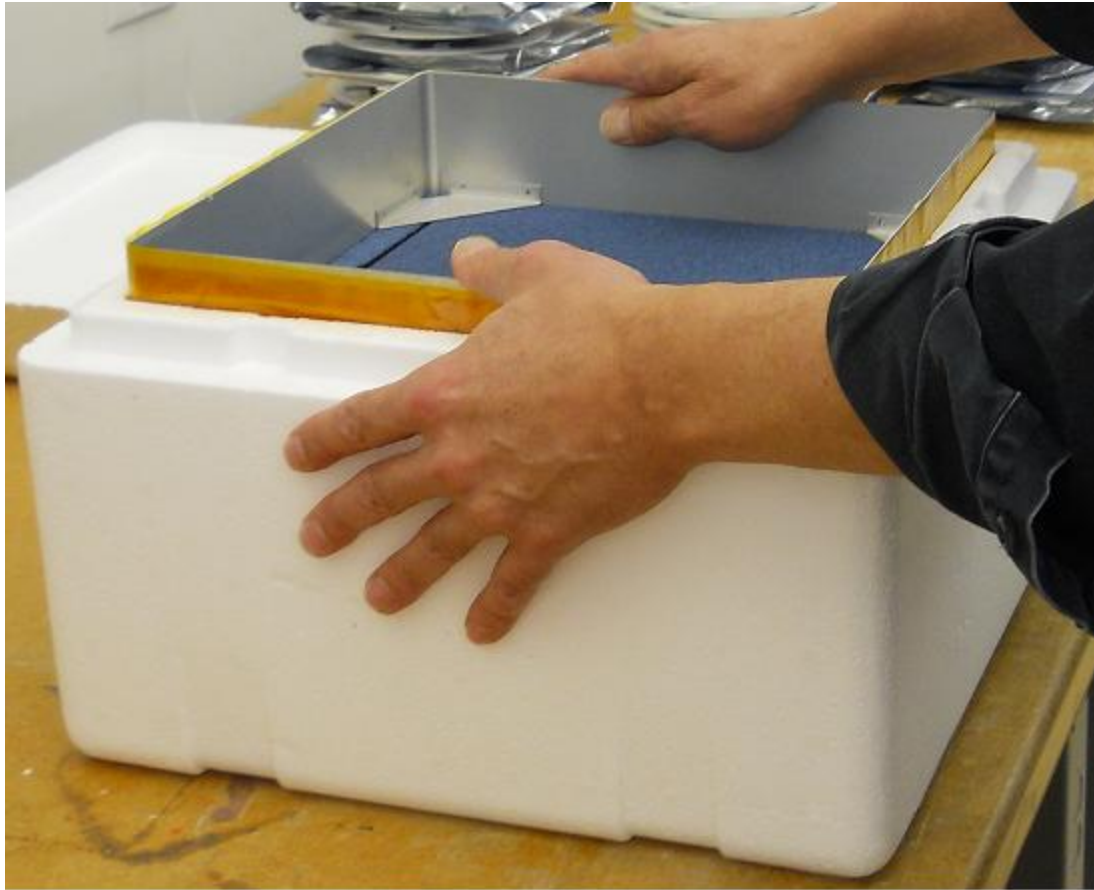


Figure 5. Replacing the metal frame, target foam, and protective liner