

<b>DOCUMENT NO:</b> TM-114	<b>TITLE:</b> Test Method for Measurement of Diaphragm Body Mass	<b>PAGE:</b> 1 of 1
<b>APPLICATION:</b>	<b>REVISION:</b> 1/6/08	<b>DATE:</b> 1/6/08

**PURPOSE:** The test methods outlined in this document define equipment and techniques for measuring the Body Mass of loudspeaker diaphragms.

**SCOPE:** This document is intended to be used in conjunction with the applicable ALMA International document(s) in which it is referenced. These referencing document(s) may contain general information not included in this document, but which applies to this document, thus it is not recommended to use this document outside of its intended context. In the event of conflict, information in this document supercedes information in the referencing document(s).

**RESPONSIBILITY:** ALMA International Component Standards Sub-Committee

**RECORDS:** This document will be maintained and kept on file by ALMA International. Measurement results shall be maintained by the entity performing the measurement.

**RELATED DOCUMENTS:**

- ALMA International Nomenclature Prints (NP's)
- ALMA International Dimensioning and Tolerancing Guidelines (DG's)
- ALMA International Measurement Guidelines (MG's)

**1 Introduction**

The test methods outlined in this document define equipment and techniques for measuring the Body Mass of loudspeaker diaphragms.

**2 Required Equipment**

- Gram Scale

**3 Method**

3.1 Place the diaphragm body on the scale and record the weight (mass).

**4 GR&R (Gage Repeatability and Reproducibility)**

0.002 to 0.057 g, typically.

**Revision History**

Rev Level	Description of Change	Prepared/ Changed By/ Date	Approved By/ Date
DRAFT	Create document	George Wise 7/18/02	
1/6/08	Updated format and nomenclature, added GR&R information	Brian Sterling 1/5/07	ALMA Committee 1/6/08