

**AN-R-14a**  
**AMENDMENT-4**

15 February 1946  
Superseding all  
previous amendments

**ARMY-NAVY AERONAUTICAL SPECIFICATION**  
**RHEOSTATS; AIRCRAFT POWER**

This amendment, approved on the above date by joint action of the War and Navy Departments, forms a part of and should be attached to AN Aeronautical Specification AN-R-14a, dated 23 February 1944. It shall become effective immediately upon issue.

Paragraph A-1a. Amended by addition of the following specification:

"AN-P-62 Packaging of Lightweight Aircraft Accessories"

Paragraph A-1b and A-1d. Amended by deletion of entire paragraphs.

Paragraph A-1. Amended by the addition of the following subparagraph:

"A-1f. AN Aeronautical Bulletin.-

No. 181 Rheostats; Aircraft Power."

Paragraph F-5a(1). Amended end of first line to read, "potential of 1000". Amended third line by inserting the words "with rheostat in the off position" between "terminals" and "and".

Paragraph F-5d. Amended first sentence by changing "15" to "30".

Paragraph F-5f(1). Amended to read as follows:

"F-5f(1). Linear Wound Rheostats.- Keeping a constant load current whose value is that of rated maximum current, the rheostat shall be set at the maximum resistance point. The rheostat shall be left in this position for one hour. The control arm shall be rotated by successive steps, placing 1/3, 2/3 and all of the resistance into the circuit, with the control arm remaining in each position for a period of one hour. The hot spot temperature rise above ambient shall not exceed 300°C (540°F) at any setting."

Paragraph G-1, G-2, and G-3. Amended to read as follows:

"G-1. General.- Packaging, packing, and marking requirements specified herein apply only to direct purchases by, or direct shipments to the Government.

"G-2. Interior Packaging.- Unless otherwise specified, each rheostat shall be packaged in accordance with Specification AN-P-62, Group I, Type II container.

"G-3. Exterior Packing.- Exterior packing shall be in accordance with Specification AN-P-62."

Paragraphs G-4a(1) and G-4a(2). Amended by requiring the following information to be marked on the interior package immediately beneath the AN part number:

"Stock number \_\_\_\_\_ (AAF or Navy, as applicable)"

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Amendment -4  
(February, 1946)

Paragraph I-1. Use: Amended by addition of the following subparagraph:

"I-1a. Products considered acceptable under this specification are listed in AN Aeronautical Bulletin No. 181."

Paragraph I-7a. Amended to read as follows:

"I-7a. Sources.- Copies of Army-Navy Aeronautical specifications, drawings, bulletins, and Specification 100-14:39F16 may be obtained upon application to the Commanding General, Air Technical Service Command, Wright Field, Dayton, Ohio; or to the Bureau of Aeronautics, Navy Department, Washington 25, D. C. Naval activities should make application to the Commanding Officer, Naval Aircraft Modification Unit, Johnsville, Pennsylvania."

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