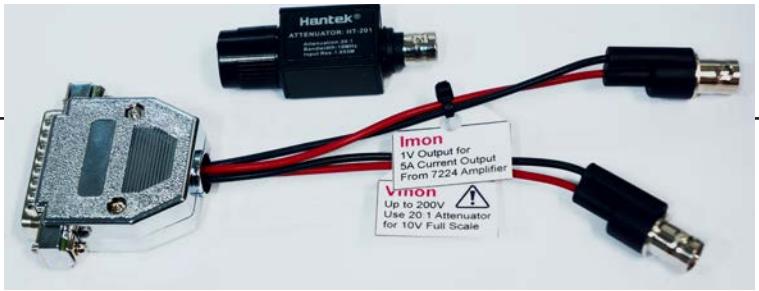
AETECHRON®

2507 Warren Street, Elkhart, IN 46516 USA | 574.295.9495 | www.AETechron.com



VMON20 Voltage/Current Monitor

AE Techron's *VMON20* provides a fast and convenient connection for scaled monitoring of voltage and current output on many AE Techron amplifiers*. The VMON20 attaches to the amplifier via the DB-25 Interlock connector located on the amplifier's back-panel SIM input card. It provides scaled voltage output to monitor the amplifier output voltage (20V to 1V). The VMON20 also provides easy access to the amplifier's internal scaled 20A to 1V current monitor (5A to 1V on 7212, 7224, 7226 and 2105 amplifiers).

The VMON20 It is ideal for use in the power industry for power relay and micro-grid testing.

The VMON20 combines two functions into one convenient DB-25 package. The voltage monitor output with the included 20V:1V Attenuator provides fast and convenient monitoring of the amplifier's voltage output. In addition, the current monitor output provides convenient monitoring of the amplifier's current output at a ratio of 1V:20A (1V:5A for 7212, 7224, 7226 and 2105 amplifiers).

The VMON20 plugs into the DB-25 Interlock connector located on the amplifier's back-panel SIM input card and can be used on all AE Techron amplifiers that use a SIM card with a DB-25 connector.

Installation

Refer to Figure 1 and complete the following steps to install the VMON20 module.

1. Connect the 20:1 Attenuator to your voltage-monitoring equipment.
2. Use a standard BNC cable (not supplied) to connect from the 20:1

Features

- Provides for scaled (20V to 1V) voltage monitoring of AE Techron amplifiers using the DB-25 connector on the SIM input card.
- Also provides convenient connection to the amplifier's internal current monitor.
- Plugs into the DB-25 Interlock connector on the amplifier back panel.
- Can be used on most AE Techron amplifiers.

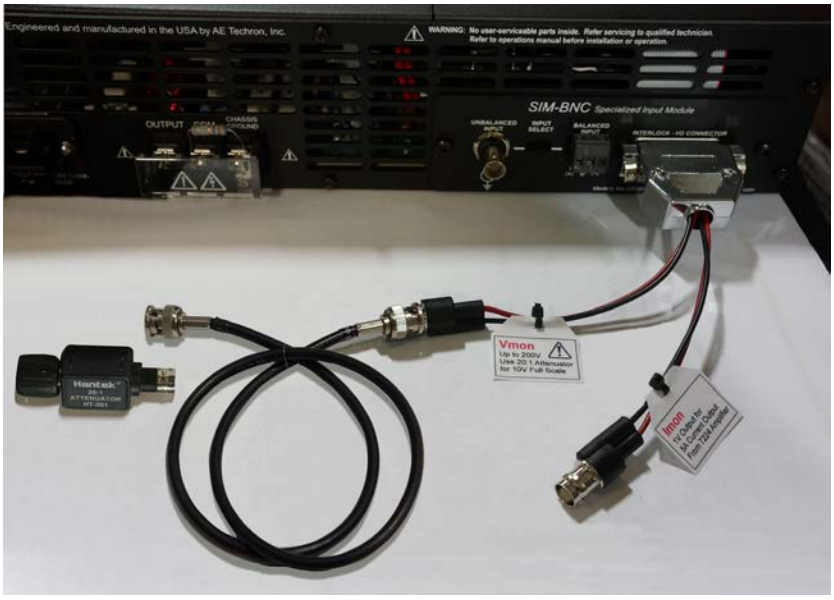


Figure 1 - VMON20 installation

* Not compatible with 7114, 7118, 7136 and 7228 amplifiers.

Attenuator to the BNC connector located on the VMON20 labeled “Vmon.”

3. Use a standard BNC cable (not supplied) to connect from your current monitoring equipment to the BNC connector located on the VMON20 labeled “Imon.”.

4. Plug the VMON20 module into the DB-25 connector located on the SIM input card on the amplifier’s back panel.

Specifications

Voltage Monitor: 20V = 1V at Attenuator output.

Current Monitor: 20A = 1V at current monitor output (7212, 7224, 7226 and 2105 amplifiers: 5A = 1V).

Dimensions(HxWxD): 2.5 in. x 2.2 in. x 0.7 in. (64 mm x 56 mm x 18 mm).

5.

AE TECHRON®

CE

DECLARATION OF CONFORMITY

Technical Construction File Route

Issued By: AE Techron, Inc.
2507 Warren Street
Elkhart, IN 46516

For Compliance Questions Only: Larry Shank
574-295-9495
lshank@aetechron.com

This Declaration of Conformity is issued under the sole responsibility of AE Techron, Inc., and belongs to the following product:

Equipment Type: Scientific and Laboratory

Model Name: VMON20

EMC Standard:
EN 61326-1: 2013 – Electrical Equipment for Measurement, Control and Laboratory use — Emissions

Safety Standards:
BS EN 61010-1:2010 (incl. Corr. May 2011) – Safety requirements for electrical equipment for measurement, control, and laboratory use

I certify that the product identified above conforms to the requirements of the EMC Council Directive 2014/30/EU, and the Low Voltage Directive 2014/35/EU).

Signed:

Larry Shank
President

Place of Issue: Elkhart, IN, USA
Date of Issue: October 18, 2022

CE Affixing Date: July 06, 2022