

MultiMet Translator

131

The MultiMet Translator Model 131 is designed to connect a variety of displays, recorders and dataloggers to Met One Instruments' meteorological sensors. Using various input cards in the MultiMet Translator allows for a wide variety of input and output configurations. For the connection of sensors from other manufacturers, consult the factory.

Features

- Compact size
- 12 VDC or 110/220 VAC
- Low power consumption
- Economical
- Wide range of options
- Surge protection
- Indoor or outdoor versions

The basic Model 131 MultiMet Translator contains a single 2270 Interface Module for signal scaling and conversion. The 131 will accommodate an additional two modules, Model 2450 and 2430. These allow for the additional output features of difference temperature, 540 Wind Direction and 4-20 mA output.

Model 2450 Card provides the conversion of the voltage output of the 2270 card to an output current of 0-1, 0-20 or 4-20 mA. There are 6 non-isolated current outputs on this board.

Model 2430 Expansion Card is used to expand the translator for additional temperature channels and for the measurement of difference temperature. It provides conversion of



The Model 131 MultiMet Translator—with power supply

0-360 degree wind direction output to a 0-540 degree output. It is a universal card for other special sensor inputs.

Packaging

Various packaging configurations are available for the MultiMet 131 Translator, from a benchtop version, 19" rack mounted, or one for indoor or outdoor use, enclosed in a Nema 4X fiber glass enclosure.

Operation

Signal cables from the sensor are directly connected to the translator using screw terminal blocks. The electronics of the translator condition and scale the signals for use by a wide variety of recorders or other data acquisition units. Output signals, typically, 0-1

or 0-5 VDC, are available at screw terminals. Power required is 12 VDC, which may be provided by battery or from the internal 110/220 VAC power supply.

Basic Specifications

Power Requirements:

12 VDC @ 8 mA *

Operating Temperature:

-30°C to +50°C

Storage Temperature:

-40°C to +70°C

Standard Output:

0-1 V or 0-5 V

Optional Outputs:

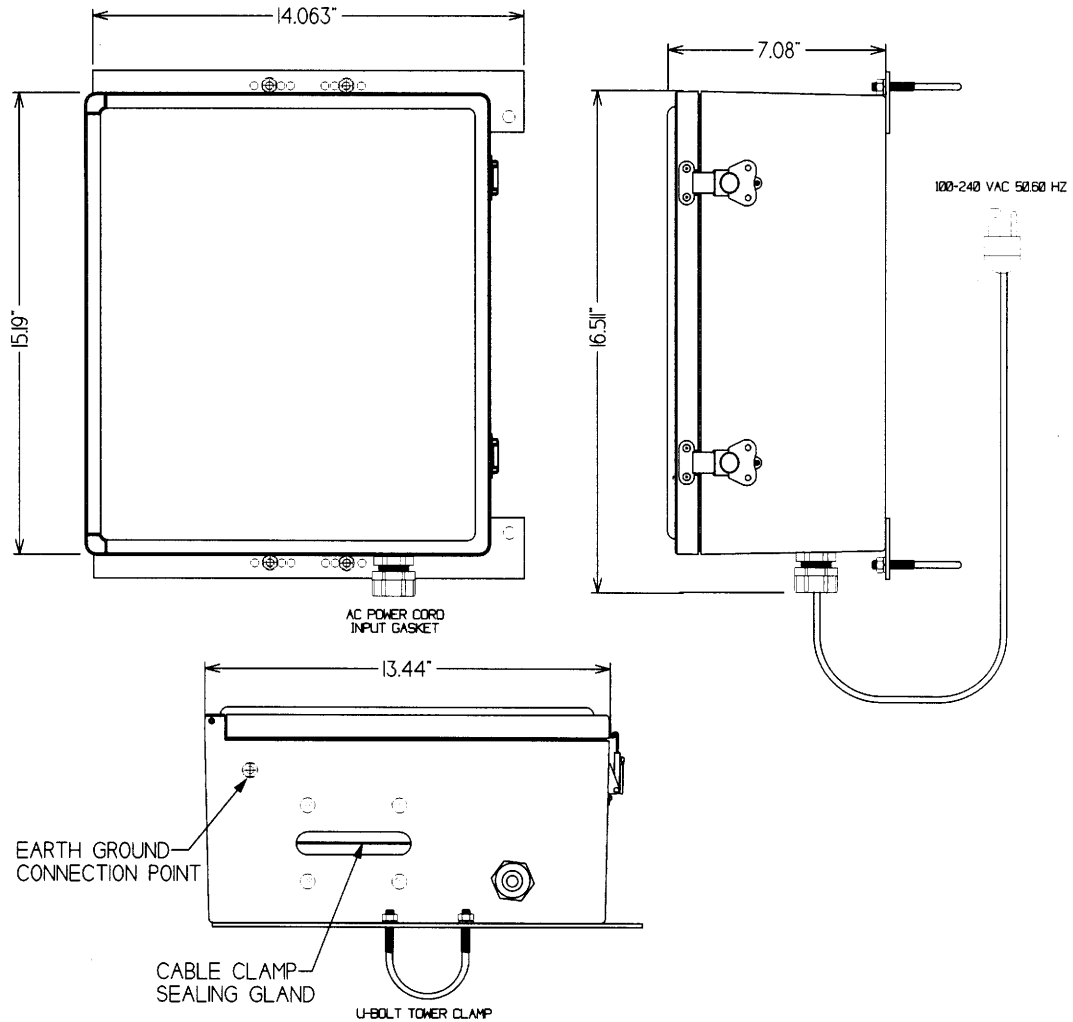
0-1 mA or 4-20 mA

* Actual power requirement is dependent upon the exact configuration of the MultiMet Translator. A basic unit with a single 2270 card requires approximately 8 mA at 12 VDC. Additional cards such as the 2450 current driver would require 20 mA per channel.



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131 Configuration Options

