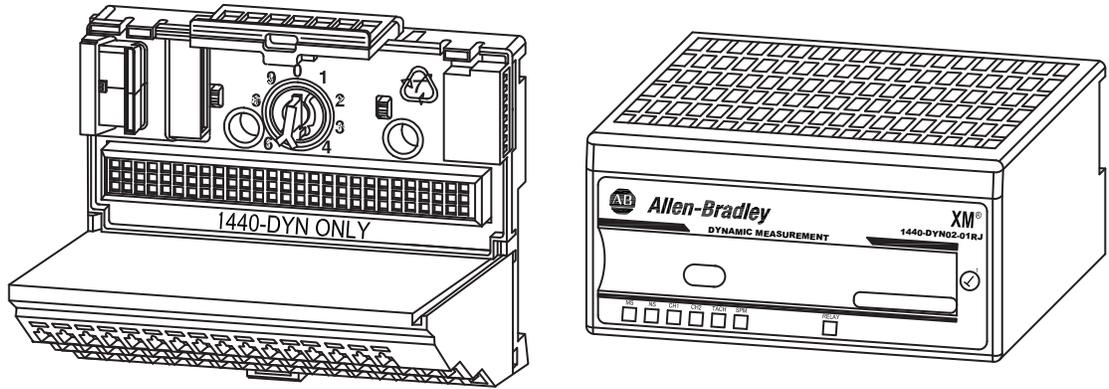


Dynamic Measurement Module Components

The Dynamic Measurement module consists of a terminal base unit and an instrument module. The Dynamic Measurement module and terminal base are shown in [Figure 2](#).

Figure 2 - Module Components



Dynamic Measurement Terminal Base Unit
Cat. No. 1440-TBS-J

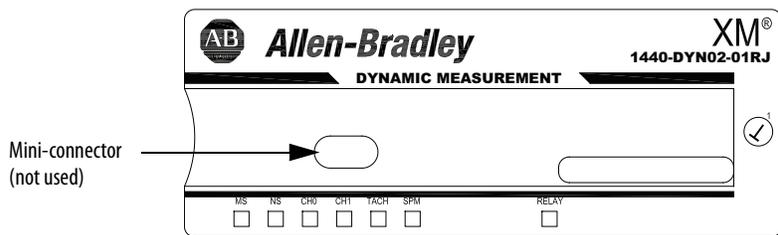
Dynamic Measurement Module
Cat. No. 1440-DYN02-01RJ

31884-M

- Dynamic Measurement Terminal Base - A DIN rail-mounted base unit that provides terminations for all field wiring that the Dynamic Measurement module requires.
- Dynamic Measurement Module - The module mounts only on the 1440-TBS-J terminal base via a keyswitch and a 96-pin connector. The module contains the measurement electronics, and processors.

IMPORTANT The mini-connector under the label on the top of the module is not used.

Figure 3 - Mini-connector



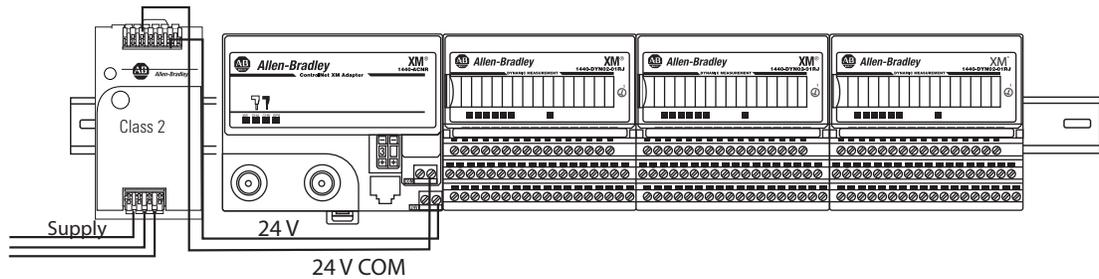
XM Bus

The XM bus connector, on each side of Dynamic Measurement module, connects the module to the 1440-ACNR adapter and other 1440-DYN02-01RJ modules on the DIN rail, as shown in [Figure 4](#).

The 1440-ACNR module operates as a communication adapter for 1440-DYN02-01RJ modules. It provides an interface for controlling XM1440-DYN02-01RJ modules on the XM bus and transferring data to the processor over a ControlNet network.

For more information about the 1440-ACNR module, see [Wire the ControlNet Adapter on page 26](#).

Figure 4 - XM Bus



The XM bus connector passes power and XM communications between the connected modules. The XM bus communicates using standard DeviceNet protocols and CAN transceivers, but it does not share specifications for the media (wire) and isolation characteristics.



ATTENTION: The total current draw through the XM bus connector cannot exceed 3 A. Multiple power sources are not allowed.



ATTENTION: To comply with the CE Low Voltage Directive (LVD), all connections to this equipment must be powered from a source compliant with the following: Safety Extra Low Voltage (SELV) or Protected Extra Low Voltage (PELV).

To comply with UL restrictions, this equipment must be powered from a source compliant with the following: Class 2.