

Time Based Brake Monitor/Stopping Performance Monitor

Model BM-1600 (Rotary Encoder Based)



The BM-1600 is a time-based brake monitor that utilizes a high resolution rotary encoder and controller to measure the brake stopping time in milliseconds and also the RPM of the press. The rotary encoder is attached to the subject machine and is driven on a 1:1 ratio by the power press crankshaft. The brake stopping time of the machine will be displayed on every stop and can be easily read on the bright red light emitting diode (LED) display on the front panel of the unit. The RPM/ of the machine will be displayed during the machine cycle.

- BM-1600 Brake Monitor System includes:
- BM-1600 controller (BM)
 - E-1600 Encoder (supplied standard)
 - 20' (6m) encoder cable
 - Dimensions and technical data
 - Installation and operation manual

- BM-1600D Brake Monitor System and Dual-Shaft Encoder System includes:
- BM-1600D controller (BMD)
 - EN-1600D Dual-Shaft Encoder
 - 20' (6m) encoder cable
 - Dimensions and technical data
 - Installation and operation manual



BM-1600 in NEMA 12 (IP 64) steel enclosure.

ORDERING PROCEDURE FOR BM-1600

1. Select **BM** or **BDM** for encoder style
2. Specify Mounting Style
 - F** Front Panel Mounting to be installed in an existing control panel.
 - C** Stand alone NEMA12 (IP 64) steel enclosure.
3. Specify Controller input power
 - 1** 24VDC
 - 2** 120VAC 50-60Hz
 - 3** 240VAC 50-60Hz
4. Specify Clutch/Brake Valve Coil Voltage
 - 1** 24VDC
 - 2** 120VAC 50-60Hz
5. Encoder Connector Cable
 - 20' (6m) is supplied standard. If additional length is needed, specify in feet. 100' (30m) max.

EXAMPLE PART NUMBER

BM	-	C	-	2	-	2	-	20
<u>BM</u> -1600		Mounting Style		Input Power		Clutch/Brake Valve Voltage		Encoder Cable (in feet)
or <u>BMD</u> for dual shaft encoder.								

YOUR PART NUMBER

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