

SYNTECHTRON

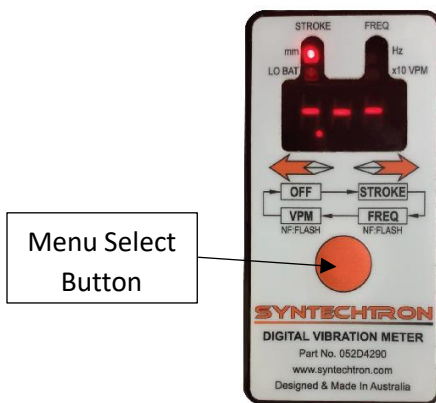
VIBRATORY EQUIPMENT SPECIALISTS

Digital Vibration Meter (DVM)

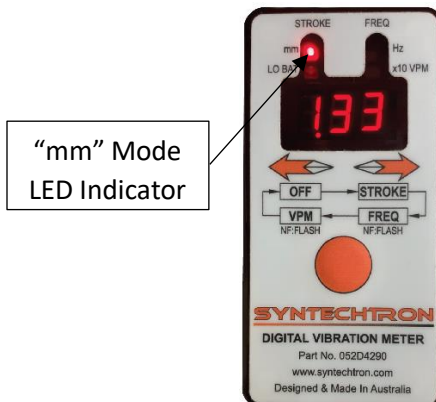
Operation Manual

Operating the Digital Vibration Meter

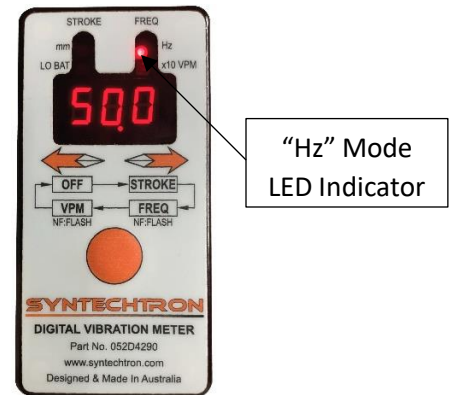
1. Press the button to turn on the DVM. One press of the button sets the meter to read stroke out in mm indicated by the LED at the top left of the DVM display.
2. Place the DVM on to the equipment in the correct orientation as shown on page 2 (turnover). If the equipment is not operating DVM will go to standby as shown below.



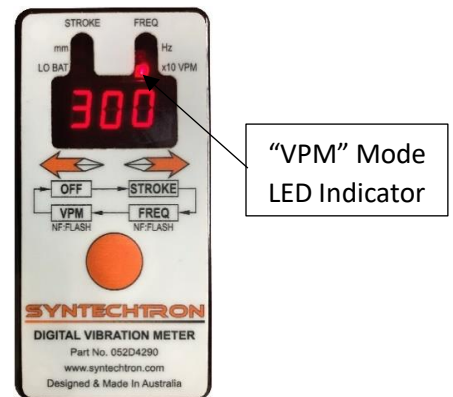
3. Once the equipment is in operational the DVM will change to read stroke amplitude as shown below.



4. Press the button again to switch DVM to display the frequency in which the equipment is operating in Hertz as shown below.



5. Press the button again to switch DVM to display the frequency in which the equipment is operating in Vibrations Per Minute (VPM) as shown below. Multiply displayed number by 10. E.g. "300" displayed = 3000vpm.



6. For the natural frequency of a tuned two mass vibratory equipment simply select which mode you wish the DVM to measure the natural frequency, that is in either Hz or VPM. Then switch of the equipment while the DVM is attached without the use of braking (if applicable) while the DVM is attached.
7. Press the button once more to turn off the Digital Vibration Meter.

Head Office

17 Butterfield Street
BLACKTOWN NSW 2148

Tel: +61 (0)2 9679 7022 Fax: +61 (0)2 9679 7033



Perth Office

1/67 Howe Street Osborne Park WA 6017
PO Box 1118 Osborne Park WA 6916

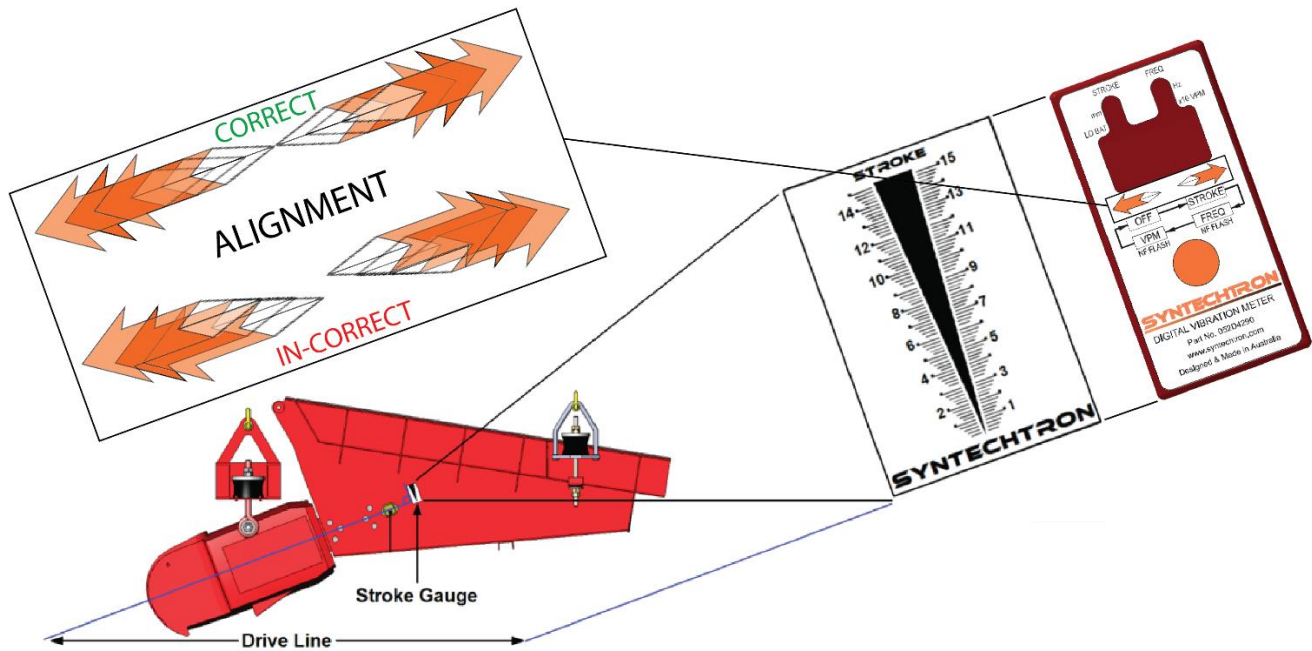
Tel: +61 (0)8 9202 6823 Fax: +61 (0)2 9679 7033

SYNTECHTRON

VIBRATORY EQUIPMENT SPECIALISTS

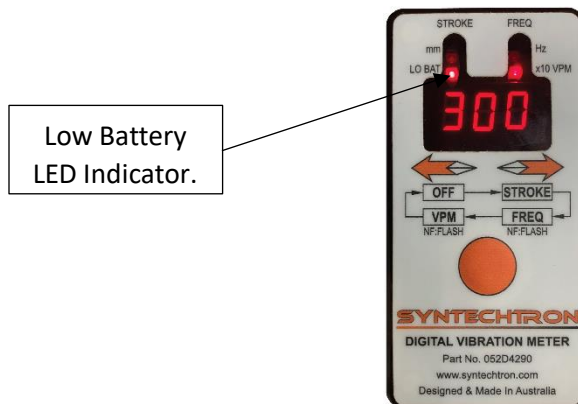
DVM Placement for Best Accuracy

For the accurate measurement of stroke/motion place the DVM so that the arrows are pointing parallel to the equipment's longest peak to peak stroke/motions direction. A common example of this is the measurement of the trough or deck stroke on vibratory equipment such as a Synttron Electromagnetic Feeder or Rotary Vibration Feeders & Screens that utilize counter rotating out of balance vibratory motors in which you would place the DVM arrows parallel to the driveline indicated by the stroke gauge as shown below.



Low Battery LED Indicator

The DVM is programmed with a battery saver mode but should the battery need replacing this is an ideal opportunity to return the DVM to Syntechtron for a free software check and upgrade to the latest version however there will be a small charge for the new battery and label.



For further information visit: www.syntechtron.com

Head Office
17 Butterfield Street
BLACKTOWN NSW 2148

Tel: +61 (0)2 9679 7022 Fax: +61 (0)2 9679 7033



Perth Office

1/67 Howe Street Osborne Park WA 6017
PO Box 1118 Osborne Park WA 6916

Tel: +61 (0)8 9202 6823 Fax: +61 (0)2 9679 7033