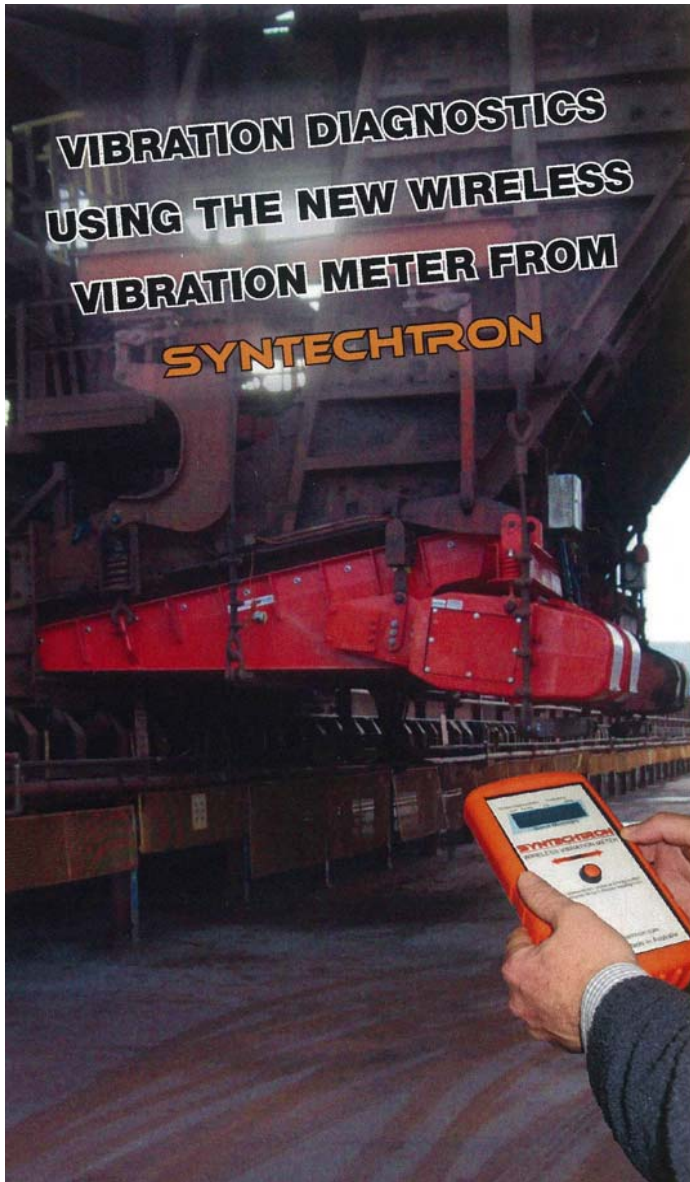


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SAFETY FIRST

- Readings can be taken on running equipment from a safe distance.
- No tools required.
- Reading of stroke gauge stickers is no longer necessary
- Results are clear and concise without the need for interpretation

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We are proud to announce the newly developed Syntechtron Wireless Vibration Meter. The instrument is considered a breakthrough in Vibratory Feeder testing and Controller calibration. It incorporates several diagnostic functions that are invaluable in determining the appropriate course of action to restore Feeder-Controller operation to design specifications. [The versatile nature of the design allows for readings to be taken on a variety of vibrating equipment including products outside the Syntechtron range.](#)

The Syntechtron Wireless Vibration Meter comprises two parts. The hand held instrument and the remote sensor unit. We consider this tool is an essential piece of safety equipment allowing maintenance personnel to monitor the Feeder-Controller status whilst keeping themselves at a safe distance from operating equipment.

The Wireless Vibration Meter kit comes with:

1. The hand held instrument
2. The removable magnetic remote sensor
3. A carry case
4. Operating and instruction manual

This kit is Syntechtron part number 047E0038.

Note: The bolt on remote sensor is not included and is to be ordered separately. Demonstrations can be provided during our next site service or commissioning work. All inquiries for the Syntechtron Wireless Vibration Meter are welcomed.

Make an enquiry now at: info@syntechtron.com

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The Hand Held Meter



The Wireless Vibration Meter can provide:

- Feeder Trough Stroke Indication (may be interpreted as a guide to Feeder TPH output).
- Mechanical Frequency (Natural Frequency or N/F) of the Feeder two-mass system (measured without product).
- Feeder Drive Stroke Indication (assist in assessing the mechanical condition of drive unit).
- Line Frequency Indication (can be used to detect SCR failure).

This equipment offers an alternative to the stroke gauge indicator and Reed Box readings. Both of which were previously relied upon for obtaining information and required personnel to be on or very close to operating equipment. This new Wireless Vibration Meter allows readings to be taken from a safe distance away from operating equipment.

The digital display provides precise information, greatly reducing misdiagnosis of Feeder/Controller problems. Powered by 4 AA replaceable batteries.

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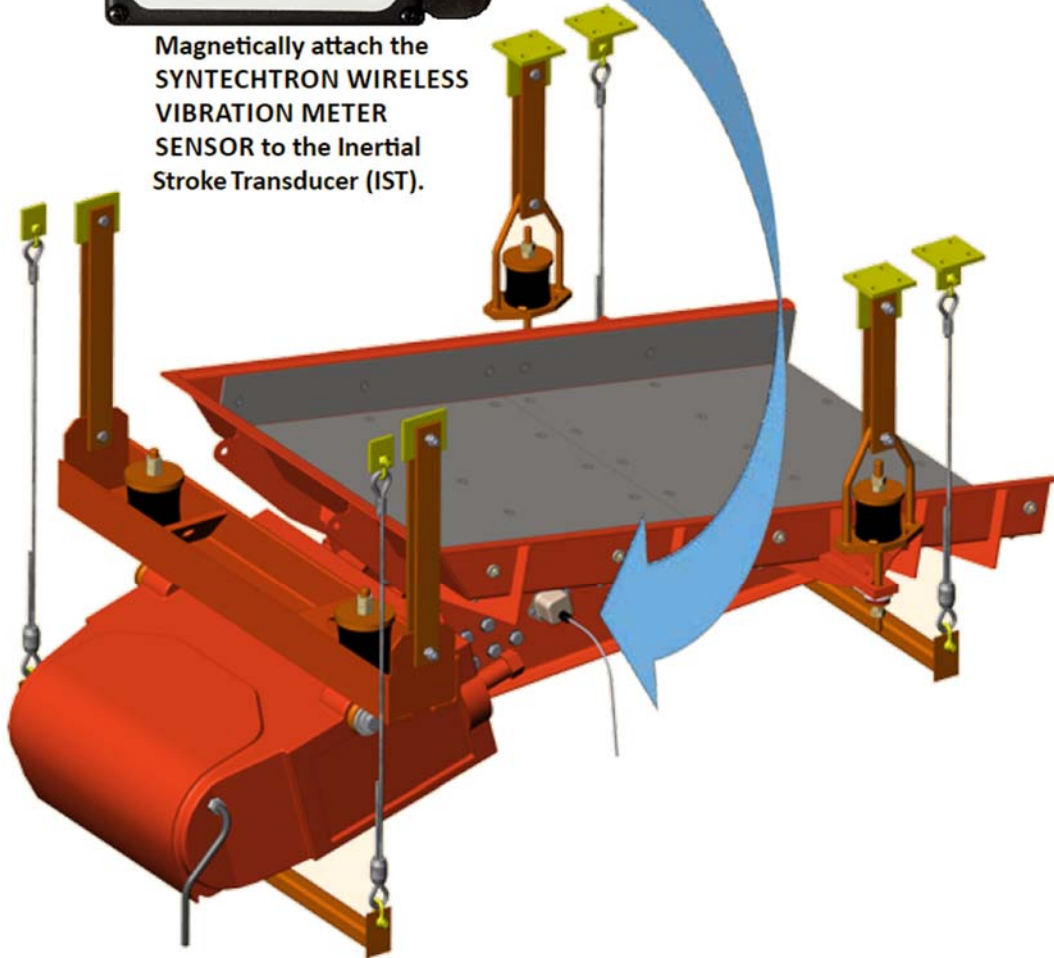
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The Magnetic Sensor



Magnetically attach the SYNTECHTRON WIRELESS VIBRATION METER SENSOR to the Inertial Stroke Transducer (IST).



The removable magnetic Sensor is the standard Sensor in the Wireless Vibration Meter kit. The unit should be attached to the drive along the line of action of the drive.

A small lanyard is included so that the Sensor can be tethered to the Inertial Stroke Transducer cable to prevent loss of the sensor should the magnetic grip be broken.

The Sensor has a battery life of up to 10 years depending upon usage. Syntechtron recommend the Sensor be returned to Syntechtron for battery replacement.



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The Permanent Sensor

The permanent Sensor is an additional Sensor to compliment the Wireless Vibration Meter kit.

The unit can be permanently bolted to the Feeder wingplate, much like the Syntechtron Inertial Stroke Transducer is. This option can be left fixed to the plant and maintenance personnel can monitor the Feeder without the need to isolate and attach a magnetic Sensor.

The Sensor has a battery life of up to 10 years depending upon usage. Syntechtron recommend the Sensor be replaced when the battery has expired.

One handheld Wireless Vibration Meter is capable of receiving signals from multiple permanent sensors. A number of permanently fixed bolt on sensors can be purchased for all your vibrating equipment. This is particularly useful for machinery that is difficult to access.

For further information please contact Syntechtron at:

info@syntechtron.com



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W.V.M Kit	Weight	Length	Width	Depth
	1.0 kg	250 mm	200 mm	95 mm
W.V.M Meter	Weight	Length	Width	Depth
	0.56 kg	220 mm	120 mm	45 mm
Magnet Transducer	Weight	Length	Width	Depth
	0.16 kg	110 mm	45 mm	45 mm
Bolt-On Transducer	Weight	Length	Width	Depth
	0.42 kg	115 mm	85 mm	60 mm + Detachable Aerial

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