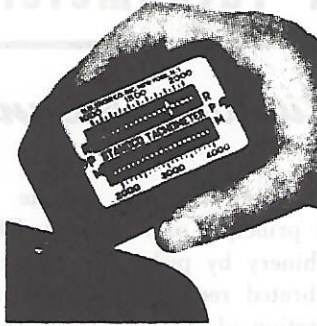


"STANDCO" Vibrating Reed Tachometers

..... *Hand Type, for portable use*



"Standco" Vibrating Reed Tachometers operate on the well-known and time-tested principle of resonance. They measure speed of rotating machinery by picking up the rate of vibration on accurately calibrated reeds. These reeds are set in motion by the slight vibration of the rotating element. The RPM or vibrations per minute are indicated on the scale of these instruments by the visual pattern formed by one or more reeds while vibrating. See attached Bulletin No. 770C.

REVOLUTIONS PER MINUTE

"Standco" Vibrating Reed Hand Tachometers do not require brackets or any other accessories. These instruments are ideal for checking speeds of totally enclosed electrical equipment. Just hold the tachometer against the motor, turbine, pump, vacuum cleaner, compressor, outboard motor, sewing machine, or other similar equipment *anywhere* and read the speed. Speeds can be measured from 600 RPM to 100,000 RPM (in different models).

If vibration is excessive, cushion the Tachometer by a pad of rubber or cotton or with the hand. If vibration is insufficient, try different parts of the machine until a perfect pickup is made. Usually pickup is best if the row of reeds is parallel to the axis of the machine.

VIBRATIONS PER MINUTE

Since the reeds reflect vibrations as well as RPM, the instruments can be used as vibration indicators.

EXCESSIVE VIBRATION

With pneumatic equipment or other equipment where vibrations are severe, it is not recommended to hold the instrument directly against vibrating metal parts but to apply it to air hoses or other parts of the equipment. If this vibration is still too severe place hand on machine or hose and hold instrument against forearm and the vibration will be transmitted to the instrument reeds.

HARMONICS

Since all Vibrating Reed Tachometers operate on the principle of resonance, it is frequently the case that if a machine is running at let us say 1800 RPM another reed tuned at 3600 RPM may also respond, but at less amplitude. When a machine is running at 3600 RPM, however, a reed tuned at 1800 is not likely to respond.