



MT 300/400 MOTION SENSOR TEST PROCEDURE CHECKLIST

Complete the following procedures to ensure the system is fully operational and protecting your equipment.

IMPORTANT: The motion sensor pickup probe is a metal detection device. ANY metal within 1-1/2" of the probe will harm the signal

To Test MT Motion Sensors In The Field:

1. Start monitored equipment to operating speed with **NO** load on it:
Confirm that the monitored shaft RPM is running at the manufacturer specifications.

Manufacturer specified RPM _____ Field Test RPM _____

2. Check motion sensor for the following:

- Target indicator should be flashing for each target that passes by probe.
- Percent meter should move upward then read 100%.
- The Arm Indicator should *be* lit.
- 10% Indicator should *not* be lit.
- 20% Indicator should *not* be lit.

3. Turn the calibration control fully counter-clockwise and check for the following:

- Percent meter should start to drop (decrease).
- When percent meter drops (decreases) to 90%:
 - 10% Indicator will turn **ON**

- If Alarm is installed: Alarm should now *be energized* and sound.
- Any equipment connected to the 10% relay for shut down will shut down.
- When percent meter drops (decreases) to 80%:
 - 20% Indicator will turn **ON**.
 - Equipment connected for shut down at 20% reduction of speed will shut down and alarm will shut off.

4. Recalibrate Motion Sensors:

- Turn calibration control full clockwise.
- Start monitored equipment to operating speed WITHOUT LOAD.
- Percent meter should go above 100%.
- Slowly turn calibration control counter-clockwise until percent meter reads 100%.
- Reconfirm: **Field Test RPM** _____ **under full load.**

Motion sensor is now ready for normal operation.

NOTE: IF ANY PART OF THIS TEST PROCEDURE DOES NOT OCCUR, CONTACT MAXI-TRONIC AT 800-659-8250.

Date: _____

Facility Name: _____

Location: _____

Equipment: _____

Installer: _____

Tested by: _____

To register this MT Motion Sensor for warranty please fax a copy of this completed form to Maxi-Tronic, Inc. at 513-398-2536.