

Speedometers — Converter • Sensors • Generators

3 3/8" Programmable Speedometers

Programmable 3 3/8" speedometers with odometer are driven electronically from either a pulse generator or magnetic pickup. Functions over a broad range of applications by using the dip switches for field programmability. For replacement applications, they will accept signals from most sensors or generators in use.



E07015 Speedometer
30 mph/50 kph



E07010 Speedometer
140 kph



E07070 Speedometer
80 mph/130 kph



E15530 Sensor 3.14"



E15430 Sensor 2.66"

E07010	Speedometer 140 kph	\$219.95
E07015	Speedometer 30 mph/50 kph	\$219.95
E07070	Speedometer 80 mph/130 kph	\$219.95

Digital Ratio Converter

This digital pulse ratio converter scales an incoming frequency by a fixed ratio. It is intended for functions such as speedometer or tachometer adjustment. Accepts pulses of a minimum amplitude 0.8V. Produces 4V bipolar or unipolar output pulses. Programmed by a bank of 8 DIP switches and a removable jumper for selecting a high or low range.

E18520	Ratio Converter	\$129.95
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Magnetic Sensors

A permanent magnet built into the sensor provides a magnetic field at the base of the sensor. As each tooth of a signal gear or a slot in a rotating sensor disc passes through the magnetic field, a signal (voltage pulse) is generated.

E15430	Magnetic Sensor 3/4" – 16 thread, 2.66" long	\$53.95
E15530	Magnetic Sensor 3/4" – 16 thread, 3.14" long	\$53.95

Pulse Generators - 8 pulses/rev.

This style of pulse generator has 8 pulses/rev.

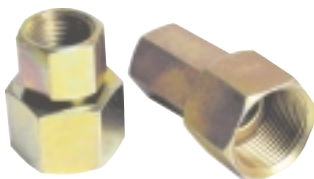
E08010	Pulse Generator 7/8" – 18 thread and 5/8" – 18 male thread	\$95.95
E08020	Pulse Generator 5/8" – 18 male thread	\$95.95
E08030	Pulse Generator 5/8" – 18 male thread both sides	\$95.95

Pulse Generator Coupling Adapters

E08380	Adapter 2" length, 5/8" to 7/8" – 18 thread	\$44.95
E08390	Adapter 1.37" length, 5/8" to 7/8" – 18 thread	\$34.95



E18520 Ratio Converter



E08380 Adapter 2" length
E08390 Adapter 1.37" length



E08010 Pulse Generator
7/8" – 18 and 5/8" - 18 male thread



E08020 Pulse Generator
5/8" – 18 male thread



E08030 Pulse Generator
5/8" – 18 male thread both sides

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website: <http://www.farmtronics.com>

Speedometers — Generators • Drive Tips

Pulse Generators - 30 pulses/rev.

The pulse generator type sender is used when converting a mechanical speedometer system to an electronic speedometer system. 30 pulses/rev., 7/8" – 18 thread.

- E08050 Pulse Generator (One male drive tip required) \$125.95
- E08100 Pulse Generator with Feed Through \$185.95



E08050
Pulse Generator



E08100 Pulse Generator
with Feed Through

Drive Tips for the 30 pulses/rev. Generator



E08510 .152" Tang - Male \$9.95



E08520 .187" Tang - Male \$9.95



E08530 .203" Tang - Male \$9.95



E08540 .104" sq. - Male \$9.95



E08590 .150" sq. - Male \$9.95



E08550 .203" Tang - Female \$9.95



E08560 .104" sq. - Female \$9.95

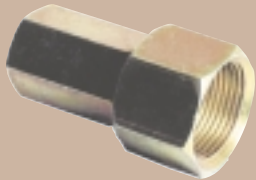


E08570 .152" Tang - Female \$9.95



E08580 .187" Tang - Female \$9.95

Pulse Generator Drive Tips for use with the E08380 2" Coupling Adapter



E08910 .187" dia. to .104" sq. \$14.95

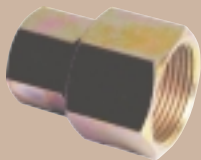


E08920 .156" dia. to .104" sq. \$14.95



E08930 .203" dia. to .104" sq. \$14.95

Pulse Generator Drive Tips for use with the E08390 1.37" Coupling Adapter



E08720 .104" sq. to .104" sq. \$5.95



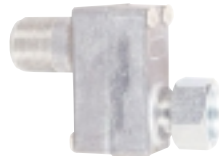
E08740 .156" dia. to .104" sq. \$5.95

RATIO ADAPTERS

- ❑ Output rotates same direction as input on all models.
- ❑ All models are available in 250 different ratios.
- ❑ Please specify input and output drive tip sizes when ordering.



E08230 700 Series Straight-Thru \$ 97.95



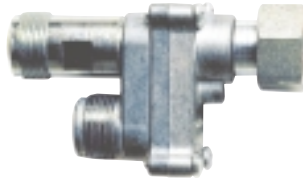
E08240 600 Series Offset \$ 97.95



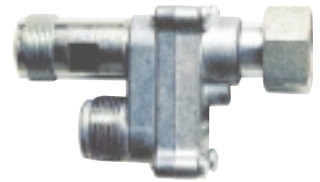
E08251 800 Series Offset \$ 97.95



E08252 800 Series Straight-Thru \$ 97.95



E08253 800 Series Dual \$124.95
Straight-thru output is always 1:1 ratio.
Offset output is the selected ratio



E08254 800 Series Dual \$124.95
Both outputs are the same selected ratio

Drive Tips



E08810 .172" dia. to .104" sq. \$5.95



E08830 .172" dia. to .124" sq. \$6.95



E08820 .172" dia. to .150" sq. \$5.95



E08870 .172" dia. to .187" sq. \$6.95



E08840 .172" dia. to .156" dia. \$5.95



E08850 .172" dia. to .187" dia. \$5.95



E08860 .172" dia. to .203" dia. \$5.95



E09010 Tang to .104" sq. \$6.95



E09020 Tang to .152" sq. \$6.95



E09030 Tang to .187" sq. \$6.95



E09040 Tang to .152" pin \$6.95



E09050 Tang to .187" pin \$6.95



E09060 Tang to .203" pin \$8.95



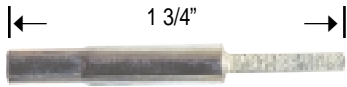
E09070 .104" sq. to .203" pin \$6.95

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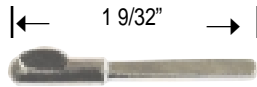
Ph: 306-721-6455 e-mail: farmtronics@sasktel.net

website: <http://www.farmtronics.com>

ADAPTER KEYS



E08670 .105" internal sq. to .104" sq. \$ 5.95



E08710 .150" dia. to .104" sq. \$ 5.95



E08660 .187" dia. to .187" dia. \$ 5.95



E08680 .156" dia. to .203" dia. \$12.95



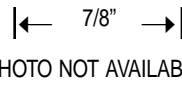
E08720 .104" sq. to .104" sq. \$ 5.95



E08740 .156" dia. to .104" sq. \$ 5.95



E08690 .105" internal sq. to .104" sq. \$ 5.95



E08730 .156" dia. to .187" internal sq. \$ 5.95



E08610 .156" dia. to .156" dia. \$ 6.95



E08620 .150" dia. to .104" sq. \$ 9.95



E08640 .203" dia. to .187" dia. \$ 5.95



E08650 .187" dia. to .156" dia. \$ 6.95



E08750 .105" internal sq. to .104" sq. \$12.95



E08910 .187" dia. to .104" sq. \$14.95



E08920 .156" dia. to .104" sq. \$14.95



E08930 .203" dia. to .104" sq. \$14.95

Problems with your mechanical tachometer cables?

We service tachometer and speedometer cable drives. We can either repair your existing cable or fabricate a replacement one for you. If you are unsure of what drive tip or adapter key is the right one for you, please call 1-800-667-8001. Our service technicians will assist you in finding the right product.

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FARMTRONICS®



Electronic Tachometer Kits

3 3/8" Electronic Tachometer Kits

Developed to provide users with an easy-to-read instrument that accurately measures rpm. Can be used on engine, fan, pump, conveyor, PTO, etc. Standard 3 3/8" gauge, with rear terminal strip, 12-24V operation. All kits include an Isspro 3 3/8" black bezel gauge, steel mounting case, bracket, E15770 sensor kit, and installation instructions.

E04200	0-2000 rpm Tachometer Kit.....	\$229.95
E04300	0-3000 rpm Tachometer Kit.....	\$229.95
E04400	0-4000 rpm Tachometer Kit.....	\$229.95
E04500	0-5000 rpm Tachometer Kit.....	\$229.95
E04600	0-6000 rpm Tachometer Kit.....	\$229.95

3 3/8" Electronic Tachometer Kits with Hourmeter

Universal electronic tachometer kit with hourmeter. For all 12V systems negative ground. Excellent for replacing obsolete mechanical tachometer systems. Kit includes an Isspro 3 3/8" black bezel gauge with hourmeter, E15770 sensor kit, and installation instructions.

E04700	0-3000 rpm Tachometer Kit.....	\$229.95
E04800	0-4000 rpm Tachometer Kit.....	\$229.95

3 3/8" Low rpm Tachometer Kit with Mounting Cup

This kit will allow you to monitor slower rotating shafts consistently. Range 0-500 rpm. Kit includes 3 3/8" Isspro tachometer 0-500 rpm, multi-tooth sprocket with 1 5/8" weld-on-hub hole, rear terminal strip for easy wiring, steel mounting cup open mounted for 12 - 24 VDC.

E04050	0-500 rpm Tachometer Kit.....	\$269.95
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Sensor Kit * Replacement Magnet Kit

Kit includes sensor pickup, 2 magnets, and epoxy. Mount the two magnets to front of engine pulley and sensor to a pan bolt.

E15770	Sensor Kit	\$59.95
E15720	Replacement Magnet Kit with Epoxy	\$29.95



E04200 0-2000 rpm Tachometer



E04300 0-3000 rpm Tachometer



E04400 0-4000 rpm Tachometer



E04500 0-5000 rpm Tachometer



E04600 0-6000 rpm Tachometer



E04700 0-3000 rpm Tachometer



E04050 0-500 rpm Tachometer



E04050 0-500 rpm Multi-Tooth Sprocket



E15770 Sensor Kit



E15720 Magnet Kit



E04800 0-4000 rpm Tachometer

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Electronic Tachometers



2 1/16" Electronic Tachometers

These Isspro tachometers are used in small engine applications such as the 6.2/6.5 liter GM Diesel, 6.9/7.3 Ford Diesel and Dodge/Cummins. All tachometers use the E15770 Sensor Kit (sold separately); 12 VDC NG only, black bezel with red-orange pointers, complete with light and mounting hardware. To install sensor, mount two magnets to front engine pulley and sensor to pan bolt. One-year warranty.

E05510	0-4000 rpm 2 1/16" Tachometer	\$159.95
E05550	0-5000 rpm 2 1/16" Tachometer	\$159.95
E05610	0-6000 rpm 2 1/16" Tachometer	\$159.95

3 3/8" Programmable Tachometers with Hourmeter

These Isspro programmable tachometers with hourmeter accept signals from pulse generators, magnetic pickups, and alternator taps. Hourmeters count only when a signal is present (engine running). (Sold separately see Pg. 76). Black bezel with white pointer, 12 or 24 VDC, complete with light and mounting hardware.

E02050	0-3000 rpm 3 3/8" Programmable Tachometer	\$195.95
E02200	0-4000 rpm 3 3/8" Programmable Tachometer	\$195.95

Ignition Tachometers (Hourmeter)

These Isspro tachometers are designed for most standard ignition systems that have a coil-type ignition or tach output connection. For 4, 6, or 8 cylinder applications. 12 or 24 VDC, operation on 3 3/8" aircore units, 12 VDC only on 2 1/16" units. All models have a black bezel with white pointer, complete with light and mounting hardware. Models E05810 and E05820 have hourmeters.

E05710	0-5000 rpm 2 1/16" Tachometer	\$159.95
E05810	0-4000 rpm 3 3/8" Tachometer with Hourmeter	\$195.95
E05820	0-6000 rpm 3 3/8" Tachometer with Hourmeter	\$195.95

Isspro electronic tachometers are perfect for replacing older-style mechanical tachometers with cable drives that have become obsolete.

If you're not sure which is the right one for you, call Farmtronics at 1-800-667-8001.



E05510 0-4000 rpm
2 1/16" Tachometer



E05550 0-5000 rpm
2 1/16" Tachometer



E05610 0-6000 rpm
2 1/16" Tachometer



E02050 0-3000 rpm
3 3/8" Programmable Tachometer



E02200 0-4000 rpm
3 3/8" Programmable Tachometer



E05710 0-5000 rpm
2 1/16" Ignition Tachometer



E05810 0-4000 rpm
3 3/8" Ignition Tachometer



E05820 0-6000 rpm
3 3/8" Ignition Tachometer

Specialty Tachometers



E06210 Murphy MT-90 Digital



E06220 Murphy MTH6 Digital



E06120/E06130
0-3500 rpm Mechanical



E15430 Magnetic Sensor



3 7/16" Self-Powered Digital Tachometer and Sensor

This Murphy MT-90 high accuracy LCD digital tachometer reads to ± 1 rpm. Ideal for use where the ultimate in accuracy is required or where battery voltage is not available. Engine rpm data is supplied by a magnetic pickup, pulse generator, or by an alternator rpm terminal. Display lighting requires a separate source of DC power 12, 24, or 32 VDC. Engine rpm's can be read without display lighting. Calibration is performed by setting a series of switches on the back of the tachometer. Sensor sold separately.

E06210	Murphy MT-90 Digital Tachometer	\$349.95
E15430	Magnetic Sensor	\$ 53.95

3 7/16" Digital Tachometer/Hourmeter with Overspeed Trip

The Murphy MTH6 is a microprocessor based digital tachometer and hourmeter with a built-in overspeed switch that is highly accurate and dependable. It measures speed and running hours and can give an alarm or shut down the engine on overspeed. Data for the tachometer and overspeed switch is supplied by a magnetic pickup or battery charging alternator. The magnetic pickup is installed into the flywheel housing of an internal combustion engine. Accuracy is ± 1 rpm. Sensor sold separately.

E06220	Murphy MTH6 Digital Tachometer	\$449.95
E15430	Magnetic Sensor	\$ 53.95

3 3/8" Mechanical Tachometers with Hourmeter

These Isspro mechanical tachometers with hourmeter are cable driven, rugged and reliable for new installations or replacement applications. Requires a steel cable driven by the diesel engine fuel pump. Black bezel with white pointer, 12 VDC complete with light and mounting hardware. Available in .5:1 and 1:1 ratio.

E06120	0-3500 rpm Mechanical Tachometer .5:1 ratio	\$125.95
E06130	0-3500 rpm Mechanical Tachometer 1:1 ratio	\$125.95

Digital Photo/Contact Tachometer

This multi-function, one instrument combination Photo Tach (rpm) and Contact Tach (rpm, m/min, ft/min) gives you a digital readout with a range from 0.5 to 100,000 rpm. The last value/max., value/min., value will be automatically stored in memory and can be obtained by pressing MEMORY CALL BUTTON. Highly visible, LCD display gives exact rpm with no guessing or errors. The use of durable long-lasting components, including a strong, light-weight ABS plastic housing assures maintenance free performance for many years. The detecting distance is 2" to 6" with a typical maximum of 12", depending on ambient light. The accuracy is $\pm 0.05\% + 1$ digit. Includes carrying case, 24" reflective tape, rpm adapter (cone), rpm adapter (funnel), surface speed wheel, and operation manual. Uses 2 AA batteries (not included). One-year warranty.

E86580	Photo/Contact Tachometer	\$325.95
E86570	24" Tape	\$ 6.95



E86580 Photo/Contact Tachometer

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website: <http://www.farmtronics.com>

Shaft Monitors

Custom-Built Shaft Monitors.

We can create a wide variety of shaft alarm systems with options that may include relay outputs to activate lights, horns, or shutdowns with a pre-set trip point. Call 1-800-667-8001 for assistance.

Adjustable Shaft Monitor Single Channel



Has an audible alarm which sounds when rpm drops below a given set point, turns off when speed increases above a set point. Alarm operates on underspeed condition only. Ideal for use on all types of rotating shafts, pulleys, hubs, etc. Includes sensor and two rotating targets for balance. Can be used whenever it is important to know when a shaft stops or slows down. Wiring not included. 18 gauge wire recommended.

E23900 Adjustable: 125-5000 rpm	\$179.95
E15770 Replacement Sensor	\$ 59.95
E15720 Replacement Magnet Kit	\$ 29.95

Slow Speed Shaft Monitors

Single Channel



Monitor senses speeds that drop below 10 rpm. Suitable for slow rotating shafts such as drills. Includes monitor with audible alarm, sensor, and target. Two wires (not supplied) are needed to connect the monitor and sensor. 18 gauge wire recommended.

E23200 Single Shaft Monitor Kit	\$159.95
E11530 Replacement Sensor	\$ 49.95
E11130 Replacement Target	\$ 4.95

Dual Channel



This dual channel monitor has an audible alarm which sounds when shaft speed drops below 10 rpm. No need to continually watch your monitor. Individual lights flash with shaft rotation. Great for drills, discers, seed cleaning plants, etc. Includes 2 shaft sensors, 2 targets, and monitor. Two wires (not supplied) are needed to connect the monitor to each sensor. 18 gauge wire recommended.

E23220 Dual Shaft Monitor Kit	\$229.95
E11530 Replacement Sensor	\$ 49.95
E11130 Replacement Target	\$ 4.95

Shaft-Trak® Shaft and Bin Level Monitor

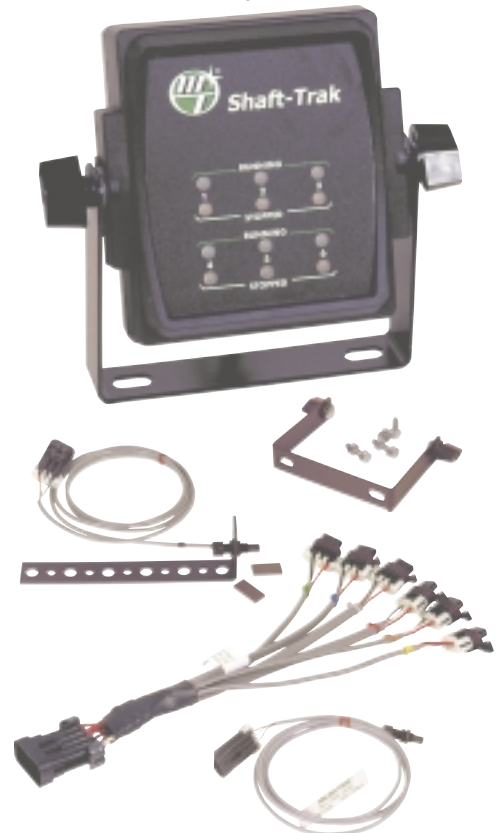
- Monitor up to 6 shafts simultaneously, or 3 shafts and 3 bin levels
- Immediate notification when shaft stops turning or bin level is low
- Visual and audible alarm
- Simple operation — attach sensor and turn on; no settings or calibration is needed
- Heavy-duty, weather-resistant console and weatherproof cable connectors

The Shaft-Trak console simultaneously monitors and indicates the status of up to 6 rotating shafts, or 3 shafts and 3 bin level sensors independently. If at any time it senses rotation at greater than minimum rpm, or a bin level is okay, it will turn on the green light (running) for that particular sensor.

MICRO-TRAK®

If the rpm of any of the active (green lights on) shafts drop below 45 rpm (rotation speeds slower than 45 rpm can easily be handled by adding additional magnets to the shaft), or a bin level is low, the corresponding red light will flash and the alarm will sound to alert the operator that the shaft has effectively stopped or the bin is empty. The red light will continue to flash as long as the shaft rpm or the bin level is low, (for a maximum of one minute). If the shaft rpm remains below the minimum rpm, or the bin level remains low, at the end of the one minute period, it will turn both lights off until that shaft rotates at more than the minimum rpm again—or until the bin has been filled.

E23250	(01323) Shaft-Trak w/o Sensor Kit	\$375.95
E23251	(01330) Shaft-Trak w/1 Sensor Kit	\$425.95
E23252	(01331) Shaft-Trak w/2 Sensor Kits	\$475.95
E23253	(01332) Shaft-Trak w/3 Sensor Kits	\$525.95
E23254	(01333) Shaft-Trak w/4 Sensor Kits	\$575.95
E23255	(01334) Shaft-Trak w/5 Sensor Kits	\$625.95
E23256	(01335) Shaft-Trak w/6 Sensor Kits	\$675.95
E10700	(01544) Bin Level Sensor Kit	\$ 95.95



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