

Distributed By:

FarmTek™



ELECTRONIC TIMING SYSTEMS

20

Year
Anniversary
1985-2005



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The First Choice in Timing...

Electronic timing systems from FarmTek are used **throughout the world** for timing of equestrian events such as Barrel Racing, Team Roping, Team Penning, Cutting, Bull Riding, Show Jumping and more!

You'll also find FarmTek timers used in many **non-equestrian applications** including Dog Agility, Lap Timing, Drag Racing, Track & Field events, and Speed Training.

With **thousands** of units in the field, a timer from FarmTek offers proven performance, reliability and value. After the sale, FarmTek is there to support you every step of the way. For **twenty years** FarmTek personnel have provided quick, courteous, and knowledgeable assistance to answer your questions and keep you up and running!

As Simple as...

1 A timing system from FarmTek centers around our **Polaris** timer console. The timing console controls and displays all timing activity and is generally placed in the announcer's booth or at the timer's table.

2 Wireless photo-sensors (electric eyes) are placed in the arena or field of play to detect the events that start and stop the timer, determine breakouts, start faults, etc., as required by a particular event.

3 Complete your timing system with accessories like a large arena display, a printer, a computer interface, horn / audio output, or a barcode reader or keypad for future data entry options.

Wireless Convenience!

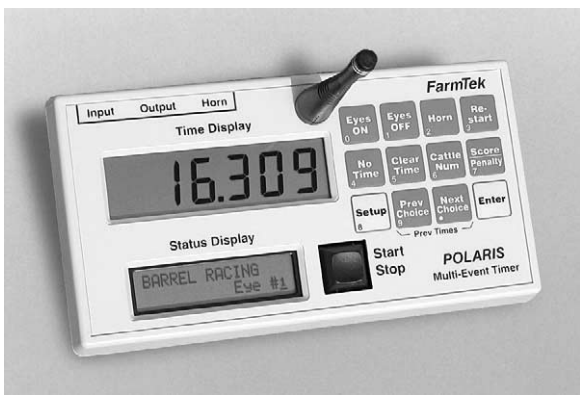
The tangled web of cabling that has made setup and tear-down of a timing system a nightmare is virtually eliminated with a timing system from FarmTek:

- The timer console operates without a power cord or AC adapter – one less cable across an already crowded timer's table and one less spot used on the power strip!
- Our **Wireless Electric Eyes** eliminate the long cables that run from the electric eyes in the arena to the timer in the announcer's

booth. No more tangled cables, damaged connectors or cut cords. No more stringing and taping cables along the fence, no more hassles trying to tear the cable down after the event!

- Setup of a large spectator display just got easier too! Our new **Wireless Scoreboard Interface** eliminates the long cable which runs from the timer in the announcer's booth to the remote scoreboard display!

Polaris Electronic Timer



The **Polaris** timer is a full-featured, multi-event timer capable of automatic timing of barrel racing, pole bending, roping, team penning, bull riding, cutting, show jumping, lap timing and more! The **Polaris** can also be used for a wide variety of **non-equestrian** events such as lap timing, dog agility trials, drag racing, track and field events, speed training and more! See the following page for detailed information about supported events.

The new **Polaris** timer is now “**more wireless**” than ever! As in the past, no wires are needed between the **Polaris** timer console in the announcer’s booth and electric eyes in the arena, however, the new **Polaris** timer also eliminates the AC power cable in the announcer’s booth and adds support for a **wireless interface** to our spectator displays!

Great Features!

Battery Operation – The new **Polaris** is powered by four AA batteries instead of requiring AC power. This makes setup easier when power is not available and means one less wire across an already crowded timer’s table!

The **Polaris** timer runs over 50 hours from four AA batteries – a couple months of use for most of us! You can check the battery life remaining at any time. A low battery warning is issued when about one to two hours of battery life remain.

Wireless Scoreboard – The **Polaris** supports our new **Wireless Scoreboard Interface** which eliminates the need to run a data cable from the timer console to the scoreboard.

Data Input Options – The new **Polaris** adds a data input jack for connection of a barcode reader or external keypad for future data-entry options.

Remote Low Battery Reporting – Low battery warnings from the **wireless electric eyes** are automatically displayed on the **Polaris** timer console in the announcer’s booth!

PA Horn – For events that require a horn (bull riding, team penning, roping, show jumping, etc.), the wireless **Polaris** provides an audio output which connects directly to your PA system:

- The horn sound is played over the speakers connected to your PA system.
- Allows control of **horn volume**.

Easy to Use!

- The **Polaris** includes a second display directly under the time display. This two line display provides the operator with status information and helpful prompts to make the **Polaris** easy to use.
- A convenient keypad allows simple, single button access to the **Polaris**’ powerful features.
- Time is displayed on a high contrast LCD display with extra large 0.7 inch tall digits – easily readable even in direct sunlight.
- Different time formats are automatically selected for each event (e.g., seconds to .001, seconds to .01, minutes and seconds, count up, count down, etc.). Of course, you can select your own format instead!
- Accurate time is maintained even while the timer is stopped. This allows resumption of timing after accidental interruptions. **No more lost times!**
- **Alignment status** of each electric eye is **always present** on the status display.
- **Penalties are easily entered**. The penalty is automatically added to the rider’s time. If connected, the optional printer and scoreboard are also updated.
- **Multiple previous times are saved** along with penalty (if entered) and any event-specific information such as score, broken barrier, cattle number, lap number, jumping round, etc.
- Fully compatible with all FarmTek printers and scoreboards (including the new **Wireless Scoreboard Interface**) and easily connects to a computer.

ORDERING INFORMATION:

Combine the **Polaris** timer with **Wireless Electric Eyes** and other options to make a complete timing system for your events. See the “Wireless Timing Systems” price list for typical equipment combinations.

Polaris Event-Specific Features

Western Events

- The **Polaris** timer provides hands-free timing of **Barrel Racing, Pole Bending** and other speed events. Time automatically starts and stops as the rider crosses an electric eye in the arena without having to “reset” between each rider.
- The operator can force the timer to **temporarily ignore the electric eyes** for figure eight, relay and similar multiple-pass events.
- **Penalties can be easily entered** for any timed event. The penalty is automatically added to the rider’s time. If a printer or scoreboard is connected, they are also updated with the penalty.
- For **Roping** events, the timer automatically starts when the steer crosses an electric eye at the score line. Electric eyes on the rider’s box(es) **check for breakouts**. The timer automatically sounds a horn and shows who broke out. The timekeeper simply presses the STOP button when the judge drops the flag. **No reset required**, no waiting for lights to come on or turn off, no missed resets, **no delays!**
- **Rider breakout time** can be displayed during a roping event. The rider breakout time shows by how much time the header lead the steer (breakout) or trailed the steer (clean run).
- Also for **Roping**, the **Practice Mode** lets you practice against the electric eye barrier without needing someone to operate the timer console.
- Different horn times for **Bull Riding** and similar events are easily selected. Timing automatically starts from zero when the timekeeper presses the START button. When the horn time is reached (eight seconds, for example), the **horn automatically sounds** and the timer stops.
- For scored events such as **Bull Riding** and **Cutting**, the rider’s **score is easily entered**. If connected, the score is also shown on the optional scoreboard and printer.
- When timing **Cutting** events, the timer counts down towards zero from any time specified (2:30 for example). When zero is reached, the **horn automatically sounds** and the timer stops.
- For **Team Penning**, the timer can **automatically pick and display cattle numbers**. The timekeeper can see the cattle number before the ride starts. If a scoreboard is connected, the rider sees the cattle number when the timer starts. The timekeeper can force **selection of less than 10 cattle numbers** for smaller herds. Eliminate complaints about the start-

line flagger with an electric eye start. Eliminate late horn complaints with **automatic warning and final horns**.

Show Jumping Events

- The wireless **Polaris** timer supports up to **three sets of electric eyes** for flexible course design and to support timed **Power and Speed** classes.
- Different course times and electric eye usage is supported between First and Jump-Off Rounds.
- The timer is switched between First and Jump-Off rounds at the push of a button. Changing rounds automatically selects the appropriate course time and which electric eyes to use.
- **Time faults** are automatically computed and displayed as the timer runs. The **latest FEI rule changes** for fault computation **are supported**.
- An optional **remote handswitch** is available that can stop the timer and sound the horn (e.g, when an obstacle is knocked down), then resume timing and sound the horn again on the next press.
- Duration of the **rider start timeout** is user settable. The rider timeout countdown displays on both the timer console and optional scoreboard. At expiration of the rider start timeout, the timer can **begin timing of the rider’s run, or blow the horn**.

Non-Equestrian Applications

- The **Polaris** timer is at the heart of a full featured **Dog Agility** timing system. See “Dog Agility” on the separate price list for more information.
- Using electric eyes at the start line and the finish line, the **Polaris** timer can time **Drag Races, Mud-Bogs, Sprints, Hill Climbs** and similar events which are timed from a start line to a finish line.
- Using an electric eye across the track, the **Polaris** provides hands-free automatic **Lap Timing**. The lap speed as well as lap time can be displayed. Time as many consecutive laps as needed!
- The **Time Stamp** mode provides an interface between up to four sets of electric eyes (wireless) and a computer. Great for custom applications and for obtaining **multiple split times** (e.g., split times around each barrel in a barrel race for training).
- The **Keypad** mode allows use of the keypad on a the **Polaris** timer to enter times, scores, contestant numbers, etc., for display on a large arena display.
- Ask us about a special version of the **Polaris** timer designed specifically for **speed training** events like the 40 yard dash, short shuttle, three-cone drill, etc.

Wireless Electric Eyes



The *Wireless Electric Eyes* sit on tripods across the arena or track from each other to form an invisible start/stop line between them. They can also be mounted on steer panels or fence rails using our *Quick Mount* to form electric eye barriers for roping.

- Use with the ***Allegro*** or ***Polaris*** timers for barrel racing and other speed events.
- Use with the ***Polaris*** timer for roping, show jumping, lap timing, and to eliminate the start line flagger in team penning and cutting.
- Modern infrared technology allows **compact and reliable construction**. The electric eyes are smaller than ever – just 3.8 x 2.4 x 1.0 inches
- The eyes **operate over 70 hours** from standard 9 volt alkaline batteries – no more rechargeable battery worries! Typical users need to change batteries just a few times a year. A low battery indicator gives you **several hours warning** before the battery dies. Simply change the battery during the next arena drag and keep on going!
- If any wireless electric eye in use has a **low battery**, it is **remotely reported** on the timer console in the announcer's booth!
- Alignment of the electric eyes is **quick and easy**. The eyes can be separated **by up to 200 feet!**

ORDERING INFORMATION:

The *Wireless Electric Eyes* consist of two units: An infrared light detector (photo-receiver) and an infrared light source (photo-transmitter). Includes two 9 volt alkaline batteries.

Electric Eye Mounts



Electric eyes are generally mounted on standard camera tripods (see inset above), or on fences or poles using our *Quick Mount*. The *Quick Mount* is a easy and flexible way to mount the electric eyes on virtually any fence pipe, cattle panel, etc. It's great for temporary or permanent installation of electric eyes for roping.

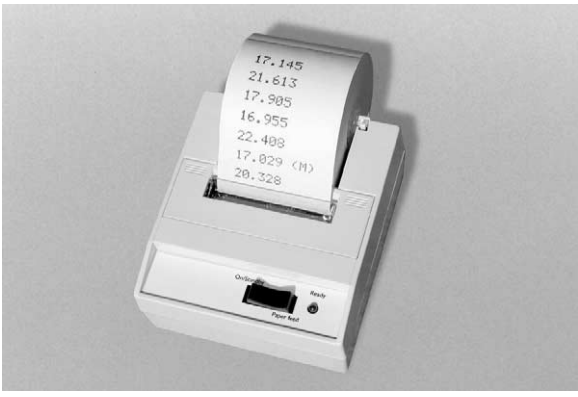
- The *Quick Mount* is available in a strap-on version, as shown above, or with a magnetic base. The strap-on version attaches to fence pipe using plastic tie-wraps. The magnetic version is great for quick attachment to flat metal surfaces and the square tubing used in cattle panels.
- At the top of the *Quick Mount*, the electric eye attaches to a ball head which allows 360° of rotation and tilt.
- Beneath the ball head, two holding arms pivot on the base to allow for further positioning flexibility.
- The base for the holding arms rotates 360° to allow the arms to pivot in any direction needed.
- The flexible positioning offered by the *Quick Mount* allows mounting on vertical, horizontal, or angled fence piping.
- The electric eye can be installed and removed from the *Quick Mount* in just seconds.

ORDERING INFORMATION:

The *Quick Mount* is available with either a strap-on base or a magnetic base. The strap-on version is provided with six tie-wraps. Replacement tie-wraps are available at virtually any hardware store or auto parts store.

Our tripod stands are camera tripods that fold to about 21" in length and expand up to 51" in height.

Printer



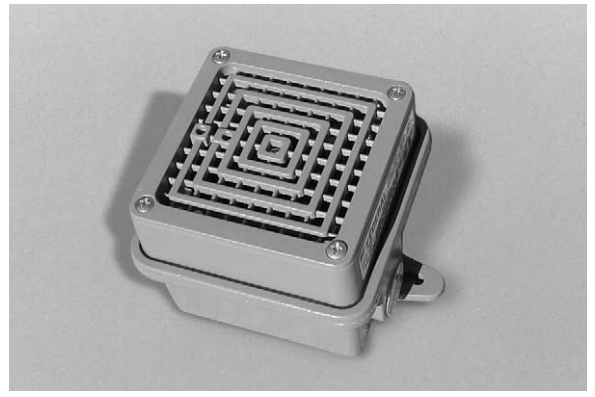
The printer works with the **Allegro** or **Polaris** timers. It provides a permanent record of timer activity for bookkeeping, posting times, and **eliminating scoring arguments**. Information is **automatically printed as timing events occur**, thus eliminating the timekeeper from blame of favoritism or cheating.

- The printer is small, just 4 by 4.5 inches, and prints on standard rolls of adding machine paper – not thermal paper which tends to fade in the heat.
- Each time the timer stops, the printer prints the final time shown on the display. The times are printed in large, easy to read digits.
- If the timer is manually started or stopped (when the electric eye should have done it), the printer flags the affected time with “(M)” for Manual. The **scorekeeper cannot interfere with times** without everyone knowing!
- When used with the **Polaris** timer, all information about the ride is printed. This includes (based on the type of event): the time, score, broken barriers, “no time,” penalties, cattle number, jumping round, time faults, lap number, etc.

ORDERING INFORMATION:

The *Printer* comes with one roll of paper, an A/C adapter for plugging the printer into power, and a six foot data cable which connects to the **Polaris** or **Allegro** timer console.

Automatic Horn



The *Automatic Horn* is a versatile accessory for the **Polaris** timer. The horn automatically sounds as needed for **roping, bull riding, cutting, team penning** and **show jumping** events.

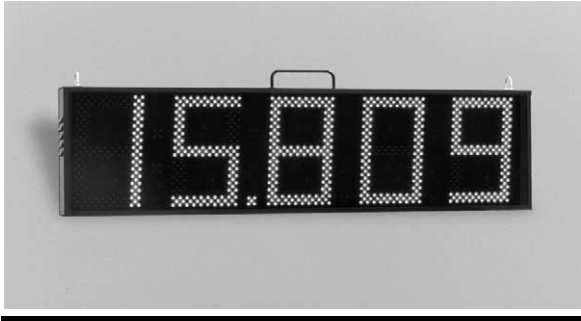
- For events like bull riding, cutting and team penning, the timer automatically sounds the horn at the appropriate time limit(s).
- When used for roping, the horn automatically sounds to indicate a broken barrier. When used with header and heeler barriers, the horn sounds a different pattern for the header than for the heeler.
- The horn can be manually sounded by simply pressing a button. Great for show jumping to allow the judge to signal the rider on/off course.
- The horn is small and compact (about 5 inches square and 3 inches deep).

ORDERING INFORMATION:

The *Automatic Horn* comes complete as shown with an 8 foot A/C power cord and a 25 foot data cord which runs back to the timer console in the announcer's booth.

Note: Depending on the timing equipment you purchase, you may not need the *Automatic Horn*. Two of our scoreboards (the larger, light-bulb based units) include a built-in horn that provides the same functionality as the *Automatic Horn*. If you are purchasing the wireless **Polaris**, it provides a direct connection to a PA system that sounds the horn over your speakers. It too provides the same functionality as the *Automatic Horn*.

Spectator Displays



Spectator displays (scoreboards) from FarmTek greatly enhance spectator interest and participation in the rodeo events. Our 10 inch LED scoreboard is illustrated above and our scoreboard stand is shown on the right.

- The scoreboard shows the running time and the final time as displayed on the timer console. The scoreboard can also display the rider's time with penalty, and the rider's score (for bull riding and cutting), if entered.
- The time format on the scoreboard automatically switches to match the format selected on the timer console: Seconds to 0.001, seconds to 0.01, minutes and whole seconds, etc. (Note: all scoreboards can display all time formats).
- Two of our scoreboard models use red LEDs and are available with digits that are 7 or 10 inches tall. The LED scoreboards have no bulbs to burn out, are light weight, draw very little power and are visible even in direct sunlight!
- A larger scoreboard is available which uses white light bulbs and has digits that are 18 inches tall. This unit include a built-in horn that provides the same functionality as the standalone Automatic Horn. Six spare bulbs are shipped with this scoreboard.

An optional **scoreboard stand** (shown on the right) is available to temporarily mount either of the LED displays for better viewing. (The stand will not hold the light bulb scoreboard.) The stand extends up to 9 feet tall and folds to 44 inches for packing.

ORDERING INFORMATION:

The **7 inch LED scoreboard** comes with a 50 foot data cord. **Dimensions:** 9" tall x 32" wide x 4" deep. **Weight:** 10 pounds. **Power:** 120VAC, 75W.

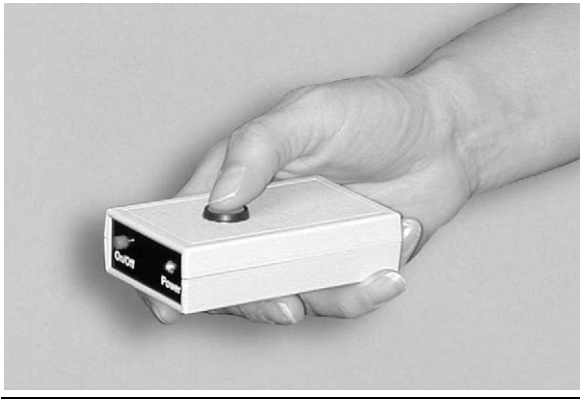
The **10 inch LED scoreboard** comes with a 100 foot data cord. **Dimensions:** 12" tall x 45" wide x 4" deep. **Weight:** 18 pounds. **Power:** 120VAC, 100W.

The **18 inch light-bulb scoreboard** comes with a built in horn, a 100 foot data cord, and six spare bulbs. **Dimensions:** 27" tall x 92" wide x 11" deep. **Weight:** 95 pounds. **Power:** 120VAC, 1500 W.

The **scoreboard stand** can only be used with the LED displays. **Folded Dimensions:** 44" x 6" x 6". **Weight:** 12 pounds.



Wireless Handswitch



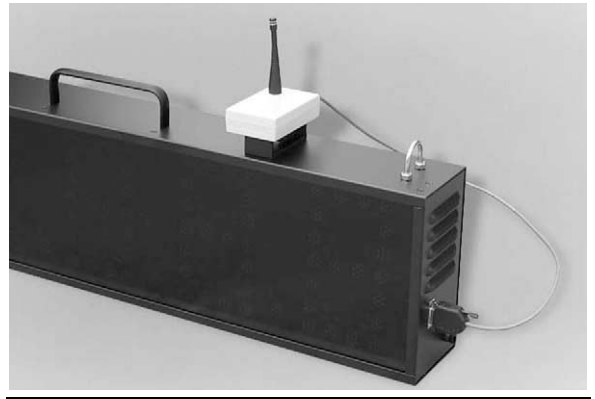
For some riding events, manual start and/or stop of the timer is required. Giving the field judge or flagger a *Wireless Handswitch* improves timing accuracy by eliminating a person in the flagger-timekeeper chain.

- For **Ranch Sorting** events, the pen judge can use the handswitch to record the time that each cow is penned. Times can now be recorded on the official timer and displayed on a scoreboard (if used) instead of using a separate stop watch ("lap timer") for this purpose. **Note:** When purchased for Ranch Sorting, an external antenna is present on the handswitch (looks like the wireless electric eye) to increase the radio range.
- For **Roping** events, the arena judge on horseback can stop the roper's time directly. This saves the timekeeper from having to closely watch the judge's flag to stop the timer.
- If hand timing a **Roping**, the "Average Time" mode of the **Polaris** timer averages the hand times of two timekeepers. One or both of the hand times can be started and stopped with the *Wireless Handswitch*.
- For **Cutting** or **Team Penning** events, the start line flagger can use the *Wireless Handswitch* to start the timer. Give the pen judge a handswitch to remotely stop the timer when team penning.
- When timing **Show Jumping** events, the *Wireless Handswitch* can be used to remotely stop and start the timer when timing must be stopped for a dislodged jump. Two bursts of the horn are sounded when the time is stopped, one burst of the horn is sounded when timing is restarted.

ORDERING INFORMATION:

The *Wireless Handswitch* comes as shown above and runs over 70 hours from a single 9 volt battery (included).

Wireless Scoreboard Interface



Our new *Wireless Scoreboard Interface* eliminates the long cable that runs from the timer in the announcer's booth out to your large spectator display. It makes scoreboard setup and teardown quick and easy!

- A small radio receiver sits on top of the scoreboard (as shown) and receives scoreboard data from your 2005 or newer **Allegro** or **Polaris** timer console.
- A short 18" cable connects the receiver into the data connector on the side of the scoreboard.
- Requires no batteries – power is obtained from the scoreboard.

EQUIPMENT COMPATIBILITY:

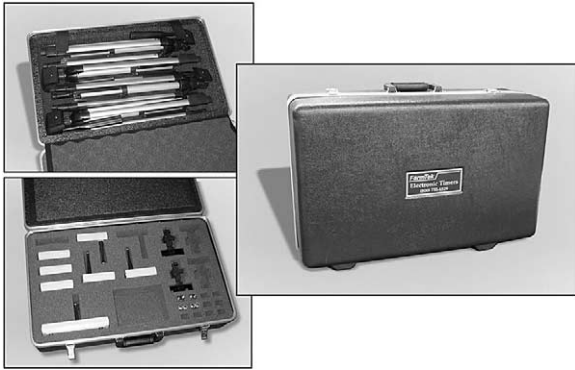
SCOREBOARDS: Works with any FarmTek scoreboard. Light-bulb scoreboards require an external AC adapter which connects to the scoreboard.

TIMER CONSOLES: The *Wireless Scoreboard Interface* works only with **2005 or newer** versions of the **Allegro** and **Polaris** timer consoles.

ORDERING INFORMATION:

The *Wireless Scoreboard Interface* comes with the receiver shown above and a short 18" cable to connect from the receiver into the scoreboard data connector. For light-bulb scoreboard installations, an AC adapter is provided as well.

Carrying Case



Protect your investment and make transportation easy with our **totally redesigned** carrying case – custom made for FarmTek timing equipment!

- The hard shell case provides protection on the outside. The custom cut foam interior cradles your equipment on the inside.
- The new case is more rugged with heavy-duty valences and turnbuckle latches.
- The bottom foam cutouts securely hold an **Allegro** or **Polaris** timer console, four sets of *Wireless Electric Eyes*, four *Quick Mounts*, and batteries. An additional cutout is provided for small accessories.
- The lid of the case holds up to four tripods.

ORDERING INFORMATION:

The case comes as pictured, ready to hold your equipment (timing equipment shown is not included).

Dimensions: 24" wide x 15" tall x 9" deep.

Computer Interface

The *Timer to PC Cable* allows you to connect your **Allegro** or **Polaris** timer to a serial or USB port on a personal computer. This allows automatic insertion of riders' times into a spreadsheet, database, or other record-keeping application.

If you have designed your own spreadsheet or database, the *FarmTek Timer Interface* software package makes it *simple* to get times from a FarmTek timer into your application. Visit our website (farmtek.net) and click on Computer Interface on the "Products" page to download a trial version of the *FarmTek Timer Interface*.

If you are looking for an off-the-shelf solution for managing your barrel race, roping, or other event, third party vendors offer software products that interface to FarmTek timers. Visit our website (farmtek.net) and click on Computer Interface on the "Products" page to see a list of third-party software vendors.

Pricing for Timer Packages

<p>Rodeo Timing</p>	<p>Time barrel racing, pole bending, team penning, cutting, bull riding and more! Includes the wireless POLARIS timer console, one set of wireless electric eyes, a tripod stand for each electric eye, a timer to PA horn cable (sounds the horn over your public address system), and batteries for all equipment.</p> <p>Roping Option: Adds an additional set of wireless electric eyes, two <i>Quick-Mounts</i>, and batteries. Use your first set of eyes on the steer score line, mount this second set of eyes on the header's box to check for broken barriers. Add this option twice for a heeler barrier as well.</p>	<p>\$739.00</p> <p>+ \$250.00</p>
<p>Show Jumping</p>	<p>Includes the wireless POLARIS timer console, two sets of wireless electric eyes (for separate start and finish lines), a tripod stand for each electric eye, a timer to PA horn cable (sounds the horn over your public address system), and batteries for all equipment.</p> <p>Third set of Electric Eyes: Add an additional set of wireless electric eyes and tripods for Power & Speed classes and to provide flexibility in course design for standard classes.</p>	<p>\$1009.00</p> <p>+ \$270.00</p>
<p>Lap Timing</p>	<p>Includes the wireless POLARIS timer console, one set of wireless electric eyes, a quick-mount for each electric eye, and batteries for all equipment.</p>	<p>\$709.00</p>
<p>Drag / Sprint Timing</p>	<p>Time drag or sprint events which start at point "A" and finish at point "B" (drag racing, mud bog, sprints, etc.). Includes the wireless POLARIS timer console, two sets of wireless electric eyes, a tripod stand for each electric eye, and batteries for all equipment.</p>	<p>\$999.00</p>
<p>Autocross</p>	<p>Time autocross events with wireless convenience! Up to three vehicles can be on course at the same time. Includes the wireless POLARIS timer console, two sets of wireless electric eyes, a tripod stand for each electric eye, and batteries for all equipment.</p>	<p>\$999.00</p>
<p>Carrying Case</p>	<p>Protect your investment and make transportation easier too! The hard shell, foam lined carrying case has custom cutouts for the timer console, four sets of wireless electric eyes, four quick-mounts, batteries, and an additional cut-out for accessories. The lid of the case holds up to four tripods.</p>	<p>\$75.00</p>

Don't see *exactly* what you need? Call us at (800) 755-6529 and we'll help you put together a timing system that meets all of your requirements! Or, visit us on-line at <http://farmtek.net>.

Pricing for Timer Accessories

Scoreboard: 7 inch LED digits (with 50 ft data cable) Add carrying case	\$849.00 \$120.00
Scoreboard: 10 inch LED digits (with 100 ft data cable)	\$1249.00
Scoreboard: 18 inch bulb digits (100 ft data cable, built-in horn)	\$1749.00
Scoreboard Stand (for LED score- boards only!)	\$79.00

Printer (with one roll paper, ribbon)	\$199.00
Timer to Computer Cable (Serial or USB Port)	\$25.00
FarmTek Timer Interface Software	\$49.00
Automatic Horn (no PA required)	\$119.00
Amplifier/Speaker Combo (to use PA horn without PA system)	\$169.00
Wireless Handswitch	\$125.00
Wireless Scoreboard Interface	\$175.00

TERMS: M/C, Visa, Amex, COD, Prepaid.

WARRANTY: One year parts and labor on all products.

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Visit our website at <http://farmtek.net> for more information!