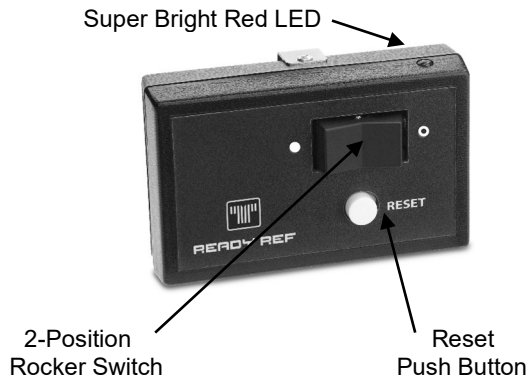


Model #1146 Ready Ref



- ✓ **Small & Lightweight**
3.8" Wide x 2.4" High x 1" Deep
4.7 ounces
- ✓ **9-Volt Battery Included**
10,000-cycle battery life
- ✓ **Microprocessor Circuit**
Accurate to within .001 seconds
- ✓ **Secure 2" Belt Loop**



- ✓ **Rain Case Included**



- ✓ **Lifetime Warranty**
Guaranteed to operate reliably for as long as you own it. Simply return Ready Ref with \$13 for return shipping, and we repair it free.

To Order

Ready Ref is manufactured, sold, and serviced directly from our factory in Marietta, Ohio. Order online or call toll-free, Monday through Friday, 8:00 a.m. to 5:00 p.m. EDT. We are often available before and after office hours. Call us anytime.

Telephone orders placed using a credit card are shipped within 24 hours via USPS Priority Mail. Mail-in orders with a check or money order are shipped within 24 hours.

Model 1146 Ready Ref.....\$79.00

Shipping & Handling.....\$13.00

Ohio residents add 7.25% sales tax

Order online

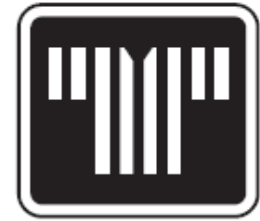
www.ready-ref.com

or

1-800-223-5395



Grimm Scientific Industries, Inc. TEL: 800-223-5395
P.O. Box 2143 FAX: 740-374-5745
Marietta, OH 45750 EMAIL: grimm@ee.net



READY REF

**The Officials' Standard
for On-Field Timing**



#1146 NFHS Softball Timer

- ✓ Allows you to concentrate on your responsibilities without the distraction of checking a wrist watch
- ✓ Gives teams the fairness of timing intervals permitted by rule and develops a nice, even flow to the game
- ✓ Silent vibrator provides discreet notification at 20 and 60 seconds with warning signals at 10 and 45 seconds

www.ready-ref.com

#020135-2-23-24-JEG-HMB

Operation



1. Press the rocker switch to the “●” white dot position. Ready Ref will vibrate for two seconds at 45-seconds and vibrate again for 5 seconds at 60 seconds.
2. Press the rocker switch to the “○” open circle position. Ready Ref will vibrate for two seconds at 10 seconds then vibrate again for five seconds at 20 seconds.
3. The “Reset” push button resets the timer.

Maintenance

- Start each season with a new battery.
- Protect from direct heavy rain with the Rain Case provided
- When wet remove battery cover and battery then allow 24 hours to air dry

Important: Every time you reconnect the battery, press the rocker switch to “○” open circle position and allow Ready Ref to finish one complete timing cycle thru all vibration signals until the LED cycles off. This will activate the microprocessor’s battery saving feature.

Time Limits

20-Second Pitch Mechanic

1. When the pitcher receives the ball on the mound, the 20-second time limit starts.
2. Press rocker switch to “○” for timing the 20-second pitch.
3. The timer will give a short, 2 second buzz after 10 seconds have elapsed.
4. After 20 seconds have elapsed, the timer will buzz again for 5 seconds.
5. The time stops when the pitcher begins his pitching motion. Press the “Reset” button to reset the timer.

60-Second Between Innings Time Limit

1. Between innings, teams have 60 seconds to be ready for the first pitch (pitcher holding the ball and touching the pitcher's plate) and a batter standing in the batter's box ready to hit.
2. The 60-second clock begins when all defensive players have started to leave their positions after the last out.
3. Press rocker switch to “●” for timing the 60 second between innings time limit.
4. At the 45-second vibration, visually cue the plate umpire, who will then signal to the pitcher and catcher, “15 seconds left,” and summon the lead-off batter to the plate.
5. The time stops when the umpire calls "Play" for the first pitch of the first batter of the next half-inning.
6. Press the reset button to reset the timer.

Ready Ref Personal Timers

- 1128 Football – One Pre-Warning
- 1132 Football – Two Pre-Warnings
- 1140 NCAA Baseball – Silent
- 1141 NFHS Baseball - Silent
- 1145 NCAA Softball – Silent
- 1146 NFHS Softball - Silent
- 1150 Lacrosse – Silent
- 1155 Lacrosse – Buzzer
- 1190 Universal - Silent
- 1195 Universal - Buzzer
- 1128 Football – One Pre-Warning