

# Electronic Yarn Meter

## User Manual






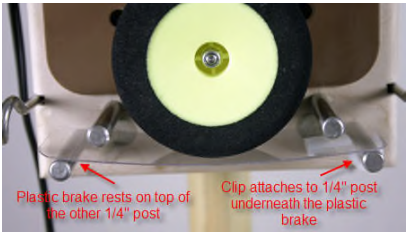



Thank you for purchasing our state-of-the-art Electronic Yarn Meter™. We believe that this unit is the best system with which to measure yarn that is available today.

This User Manual will describe the unit's basic functions and features and help you to get the best performance and use from the meter. Please review this manual and the video that accompanied it. Only then will you fully understand what the meter can do. Note: throughout this manual, we will refer to the Electronic Yarn Meter as the "EYM".

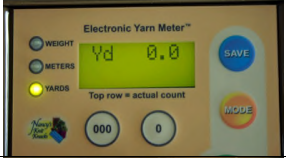

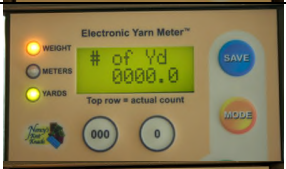


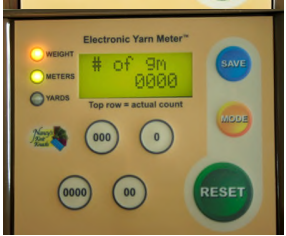
### **Assembly and Construction - the EYM is available in 3 different models:**

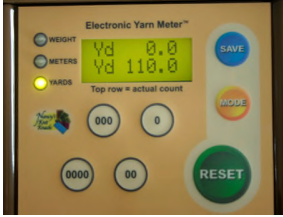


1. Standard – for basic use and for use with a plastic ball winder
2. HDBW – for use with the NKK Heavy Duty Ball Winder (\*scheduled for early retirement)
3. Power Base – for use with the NKK Power Base and Heavy Duty Ball Winder
4. All 3 models use the same EYM module (electronics and meter housing).


**Update 7/2014** – The control panel is shared between the EYM and our ERC (used on Swifts). The Top Left LED on the EYM relates to weight measurements so ignore the RED colored ROTS (rotations). Note: This manual only shows the original design of the control panel.

Assemble the EYM stand, install brake and cable(s)		
 <p>Knob &amp; washers for post</p>	 <p>Install washers on both sides of mounting rail with knob.</p>	 <p>Always use both clamps</p>
 <p>Install EYM Module on post. Adjust height of EYM Module on post.</p>	 <p>Install brake. Install the standard brake (white plastic facing down). (A stiffer brake for special hard to brake cases is also available.)</p>	 <p>Always mount brake with clip closest to the point of yarn entry.</p>
 <p>Plug in AC adaptor into EYM.</p>	 <p>Plug in cable that connects to the Power Base.</p>	 <p>Standard Power Base connection.</p>

**Operational Overview and Instructions (view DVD and website for more information)**

Mode & Preset	Task	Depress Button	LEDs Lit	LCD Display
1	<b>Measure Yards (length)</b> – this is the default mode. Just load your yarn, press the RESET once prior to running job.	None	Yards	
2	<b>Measure Meters (length)</b> – Press the Mode button once to get to Meters. Load your yarn and press the RESET button prior to running job.	Mode once	Meters	
3	<p><b>Measure Yards and Ounces (weight)</b> – Press Mode button twice. Menu will ask you to enter the number of YARDS and OUNCES from the yarn label. After each entry press the SAVE button once.</p> <p><u>NOTE: in OUNCES Weight Mode, the Decade buttons have a unique meaning as follows:</u></p> <ul style="list-style-type: none"> <li>-Use 0000 button to enter tens data</li> <li>-Use 000 button to enter units (ones) data</li> <li>-Use 00 button to enter tenths data</li> <li>-Use 0 button to enter hundredths data</li> </ul> <p>After both numbers have been entered, you can load your yarn, and press the RESET prior to running job. The measurement will then display the number of YARDS and equivalent OUNCES as the yarn is measured.</p>	Mode twice	Yards Weight	 
4	<p><b>Measure Meters and Grams (weight)</b> - Press Mode button three times. Menu will ask you to enter the number of METERS and GRAMS from the yarn label. After each entry press the SAVE button once. After both numbers have been entered, you can load your yarn, and press the RESET prior to running job. The measurement will then display the number of METERS and GRAMS as the yarn is measured.</p>	Mode three times	Meters Weight	 
1	<b>Measure Yards up to a Preset Qty</b>	None	Yards	

Preset	<p><b>(length)</b> – This starts with the default mode (Yards). Simply enter a Preset number that you want to measure by pressing the decade buttons (0000, 000, 00, 0) and then the SAVE button. Press the RESET button once to ensure that your actual count is zero. Pull yarn through the meter and when your Preset qty is reached, a tone will sound and the NKK Power Base will stop (if connected).*</p>			
2 Preset	<p><b>Measure Meters up to a Preset Qty (length)</b> – Press the MODE button once to get to Meters. Then enter a Preset number that you want to measure by pressing the decade buttons (0000, 000, 00, 0) and then the SAVE button. Press the RESET button once to ensure that your actual count is zero. Start pulling yarn through the meter and when your Preset qty is reached, a tone will sound and the NKK Power Base will stop (if connected).*</p>	Mode once	Meters	
3 Preset	<p><b>Measure Ounces up to a Preset Qty (weight)</b> – Press Mode button twice. Menu will ask you to enter the number of YARDS and OUNCES from the yarn label. After each entry press the SAVE button once. After both length and weight data have been entered, you then enter the Preset qty. that you wish to measure up to in OUNCES by pressing the decade buttons (0000, 000, 00, 0). <u>NOTE: in OUNCES Weight Mode, the Decade buttons have a unique meaning as follows:</u>          -Use 0000 button to enter tens data          -Use 000 button to enter units (ones) data          -Use 00 button to enter tenths data          -Use 0 button to enter hundredths data</p> <p>Then press the SAVE button. Load your yarn and press the RESET prior to running job. The measurement will then display the number of Ounces actually counted in top row of display and the Preset qty in the bottom row. When the Preset number has been reached a tone will sound and the NKK Power Base with turn off (if connected)*</p>	Mode twice	Yards Weight	

4 Preset	<b>Measure Grams up to a Preset Qty (weight)</b> – Press Mode button three times. Menu will ask you to enter the number of METERS and GRAMS from the yarn label. After each entry press the SAVE button once. After both length and weight data have been entered, you then enter the Preset qty. that you wish to measure up to in GRAMS by pressing the decade buttons (0000, 000, 00, 0). Then press the SAVE button. Load your yarn and press the RESET prior to running job. The measurement will then display the number of GRAMS actually counted in top row of display and the Preset qty in the bottom row. When the Preset number has been reached a tone will sound and the NKK Power Base with turn off (if connected)*	Mode four times	Meters Weight	
-------------	---	-----------------------	------------------	---

### Important Information

1. To clear actual data, press RESET once
2. To clear a Preset qty in any mode, press the RESET button twice.
3. SLEEP Mode – the unit goes into SLEEP mode after 5 minutes of inactivity. Just press the RESET button ONCE to bring it out of SLEEP mode. Your last data will still be displayed unless you press the RESET button a second time. When in SLEEP mode, the display, LEDs and the encoder are turned off.
4. Master Reset – press the Save and Reset buttons simultaneously to reset all data (or you may remove the power plug and re-insert it).
5. Mode Switch – when changing modes, all data is lost from the current mode. There are 4 Modes: Yards, Meters, Yards and Ounces, Meters and Grams. All modes can have a Preset mode also.
6. Power – you may leave the unit on all of the time (there is no on/off button) and it will go into SLEEP mode when not being used. For periods longer than a few days, disconnect power cord.
7. Wheel Changing – after the EYM is used extensively over a long period of time, you may have to change the wheel as it will show signs of wear on its foam covered surface. Please purchase a replacement wheel only from Nancy's Knit Knacks. Examine surface for grooves or slickness.
8. Wheel Change Tool Kit – a wheel change kit is included with the meter and consists of a 5.5mm nut driver (required to remove the wheel nut) and a 1/16" x 3" long Allen wrench (required to hold the wheel shaft stationary while changing the wheel), plus a nylock hex nut.
9. Brake use – the EYM may be used either with or without the brake installed. The EYM may record unintentional additional length at the end of a measurement if the brake is not installed. However, without the brake installed, there will be less drag on the system used to pull the yarn through the EYM (ball winder, motorized ball winder, etc.). We recommend using the brake 100% of the time because it stops the wheel (measurement) when the yarn finishes passing through.
10. Yarn Path – we recommend installing the yarn over the top of the wheel most of the time because it gives you the best accuracy. However, you can also install yarn horizontally (under the wheel) when you need to change the way the yarn behaves. Position yarn between both posts on both sides or run it over the highest post on both sides.
11. If you experience yarn control issues where the yarn misbehaves when going through the meter, try reducing your speed and use the horizontal mounting method.
12. Meter accuracy (under perfect conditions) should exceed 99%.

**The EYM can be used with the following equipment:**

- NKK Power Base for use with our motorized Ball Winder
- Our Motorized Swifts and Skein-winders
- It can be used with any device as a measurement tool except it cannot be electrically connected to such 3<sup>rd</sup> party devices.

**Warranty** – The EYM is covered by a domestic USA 1 year commercial use limited warranty – NKK will repair or replace any part of the unit (except brakes and wheels) that fail during the one year period. Buyer must return the unit freight prepaid to NKK and NKK will return the repaired or replaced unit freight prepaid to Buyer. Buyer must secure a return authorization from NKK before returning unit. Measurement accuracy is not warranted because it is subject to many factors outside the control of NKK and this meter.

The unit includes a 5.5mm nut driver, a 1/16” diameter Allen wrench, and a small locknut. These are used when changing the wheel or when removing the wheel to clean the fiber from around the wheel shaft. You lock the shaft in place with the Allen wrench (by poking it through a small hole in the shaft between the wheel and the housing) when loosening and tightening the nut on the wheel.

We do not recommend removing the wheel unless you are specifically addressing a problem or doing maintenance on the shaft (removing fiber). Care must be used to properly re-insert the wheel on the shaft.

Update 2014 – we have developed an improved shaft which eliminates wheel balancing problems.

Note: All production as of 2014 includes the new shaft.

Thanks for purchasing our EYM. Once you start using this unit, you will wonder how anyone ever measured yarn length any other way!

Please refer all questions to us. Also, visit our User’s Forum for more info. [www.nancysknitknacks.com](http://www.nancysknitknacks.com)

Nancy’s Knit Knacks LLC, 104 Hobblebrook Ct., Cary, NC 27518 800-731-5648 Fax 866-445-4371  
[info@nancysknitknacks.com](mailto:info@nancysknitknacks.com) [www.nancysknitknacks.com](http://www.nancysknitknacks.com) Copyright 2009 - 2014 07-09-14