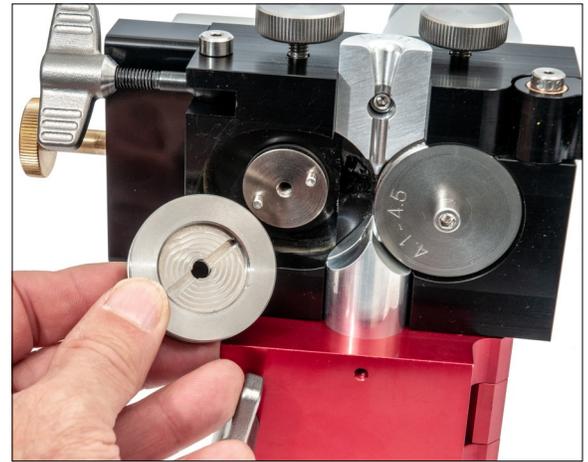
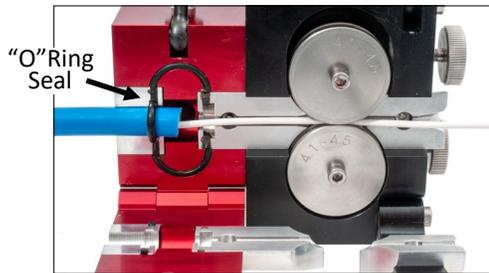


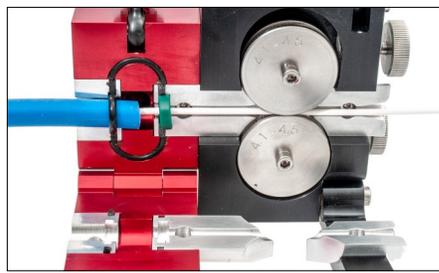
Select the duct clamp corresponding to your duct size and the cable seal and infeed guide the corresponds to your cable size. Install them on the unit as shown above.



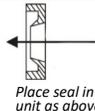
Select the proper drive wheel for the size cable that your are installing. Line up the drive pins to the groove in the wheel before tightening. Lock both drive shafts with locking screws before tightening the retaining screws. Release the locking screws after tightening the retainer screws.



Typical setup for 3mm and below. Note that you do not need a cable seal in this configuration.



Typical setup for 3.1mm and above. Use a compatible cable seal with this size and above.



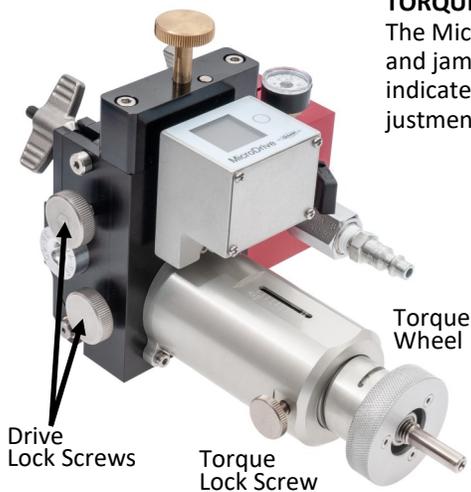
Roller tension is indicated by a graduated pin that pops up as the tension is increased. A good starting tension is 2.5 lines.

TORQUE ADJUSTMENT

The MicroDrive provides constant torque independent of slip speed. It offers excellent overload and jam protection allowing the drive to slip when a preset torque is reached. A measurement scale indicates the pushing force when the adjustment knob is turned. You can also lock your torque adjustment with the torque lock screw.

TO INSTALL CABLE

1. Attach drill to MicroDrive motor shaft (if not already attached) and tighten drill chuck. Be sure that the drill is set in the forward or clockwise rotation setting and low speed.
2. Set the clutch torque setting starting at the minimum and work your way up.
3. Start air compressor and open air output valve, or if using nitrogen open the tank output valve to full flow. Keep the valve on the MicroDrive closed.
4. Activate cordless drill to desired speed and monitor distance and speed with the counter. Average installation speeds are between 150-300 FPM. It is sometimes necessary to gently hand assist the fiber cable into the cartridge to initiate forward motion. (Do Not Bend or Over Stress the cable.) When approximately 150' of cable is installed, gradually open the air valve on the MicroDrive
5. When cable exits duct end, take the desired amount of slack, stop drill and turn off air valve and allow it to vent all the residual air before opening airbox.



REMOVING MAGNETIC HYSTERESIS (Small jerks at lower torque settings)

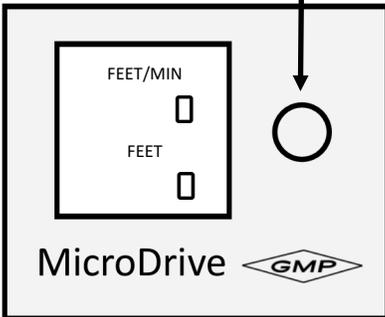
Fully turn the torque adjustment counter clockwise to minimum. Lock the drive with the lower drive lock screw. Attach a drill to the drive shaft and slowly start to drive the unit while simultaneously turning the torque wheel towards maximum force. Without stopping the drill, turn the torque to minimum force. If possible this should be done without interruption. Stop the drill and release the lower locking screw. Check that the drive turns freely without jerking.



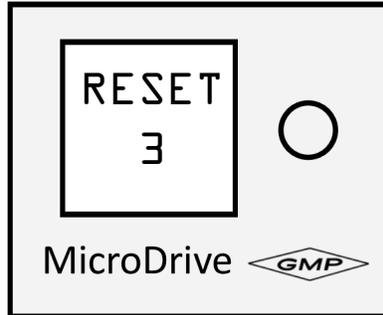
The meter will turn on when the upper wheel senses rotation and will automatically turn off about 20 seconds after the upper wheel senses no rotation. The meter can also be turned on by momentarily pressing the button to the right of the LCD screen and will automatically turn off after about 20 seconds as long as the upper wheel is not rotated or the button is not pressed again.

The meter will display both the rate at which cable is being installed in either feet/min or meters/min. and the distance the cable has been installed either in feet or meters.

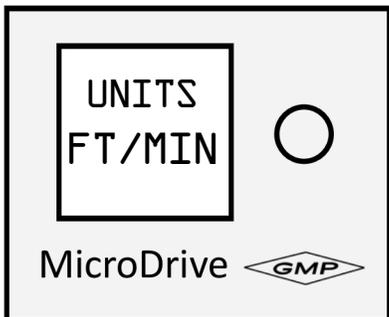
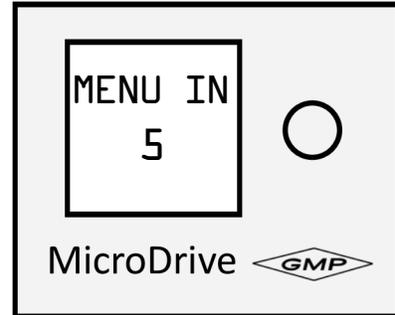
On Button



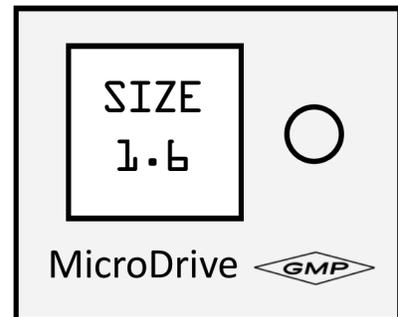
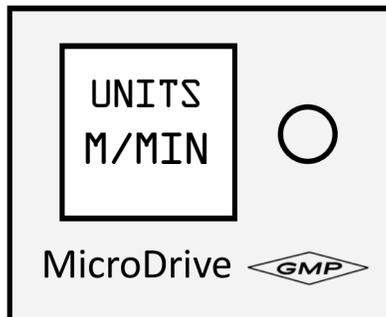
To reset the distance to zero, press and hold the button to the right of the LCD screen for at least 3 seconds. After 3 seconds release the button and the distance measured should show "0".



To change the unit of measure between Feet and Meters, press and hold the button to the right of the LCD screen for at least 8 seconds. The LCD screen will count down through the "RESET" for 3 seconds then show "MENU IN" and will count down for 5 additional seconds. Release the button.



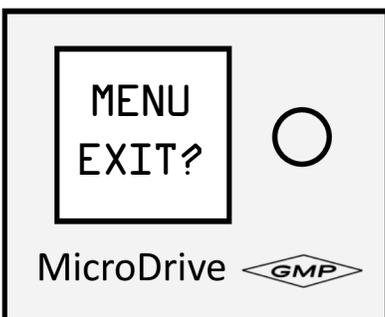
Press and hold the button to change to other unit of measure. Once the desired unit of measure is shown, **momentarily press** button to accept the unit of measure.



The LCD screen will now show the outside diameter of the cable you will be installing. You can accept the cable diameter displayed by momentarily pressing the button or you can press and hold the button to change the meter to read based on the cable diameter you are installing.

CHANGING THE CABLE DIAMETER

While pressing and holding the button the meter will cycle through the range of cable diameters from .8 to 8.1mm. The longer the button is held the faster the meter cycles through the ranges. As you approach the desired cable diameter you can release the button then press and hold again to approach the desired cable diameter more slowly. Release the button when the desired cable diameter is shown. Momentarily press the button to accept the cable diameter shown.



You will now have the option to leave the setup menu of the meter by pressing and holding the button until the LCD screen shows the rate and distance.

