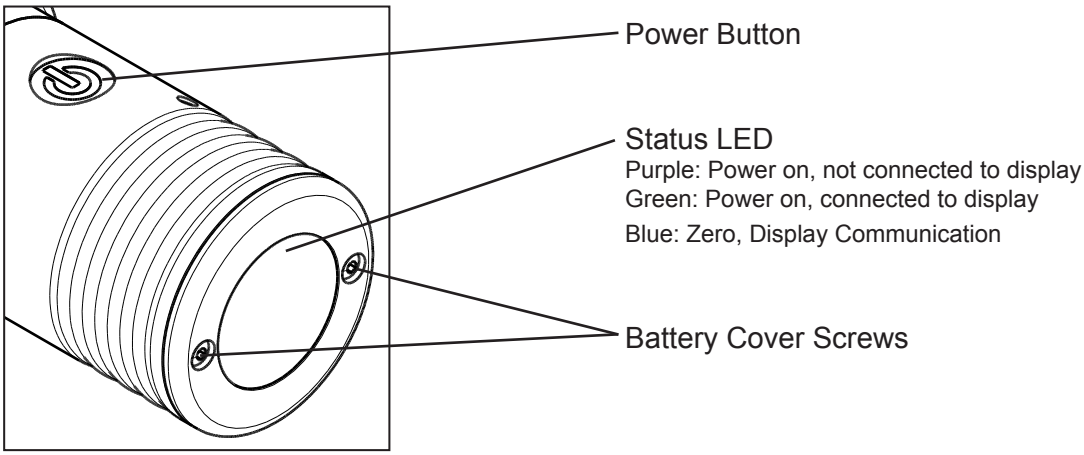
ForceCheck Wireless Sensor Operating Instructions 461.206M

Sensor Overview



Introduction

Thank you for your purchase of the ForceCheck Wireless Drawbar Force Sensor. The ForceCheck wireless sensor measures the clamping force of power drawbars on machining centers. Please take a few minutes to read this instruction manual carefully to familiarize yourself with the operation of the unit. These instructions should be kept with the gauge so that they can be referred to when needed.

Operation

The ForceCheck wireless sensor is designed for use with the ForceCheck Wireless Display 461.110. Power on and (if desired) configure the display as described in instruction manual 461.110M.

Wireless sensors are available with and without automatic on-off control when inserted into the spindle. Sensors with on-off control can be identified by looking inside the taper: a “coolant tube” on-off mechanism will be present.

Gauges without automatic on-off control: Before inserting the sensor into the spindle, press the on-off button.

Gauges with automatic on-off control: Do not turn on the sensor before inserting into the spindle. The gauge will automatically turn on when inserted into the spindle and turn off when it is removed. Note: In some cases, this process can become “out of synchronization.” If this takes place, press the on/off button to return the sensor to the proper state.

When powered, the sensor Status LED will be purple. Once connected to the wireless display, it will turn green and the drawbar force will be displayed.

Zeroing the Display

If needed, the sensor can be re-zeroed at any time by pressing the Zero button on the display. The Status LED will briefly turn blue to indicate the command was received.

When peak force display is enabled, pressing the Zero button will also reset the stored peak value.

Battery Replacement

The wireless sensor uses a standard 9V battery. To replace the battery, remove the two hex screws on the top cover. If preferred, a standard 9V rechargeable battery can be used.

TAC Rockford
Division of Transatlantic Connection, Inc.

109 North Main Street • Rockford, IL 61101 USA
Tel. 815 962-5600 • Fax 815 962-4600
www.TACRockford.com • info@TACRockford.com