

Longacre®

(Temperature Compensating) Digital Tire Pressure Gauge

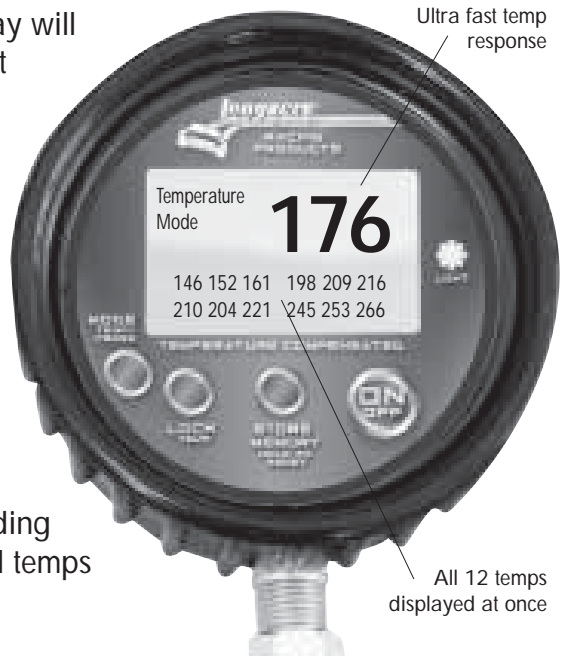
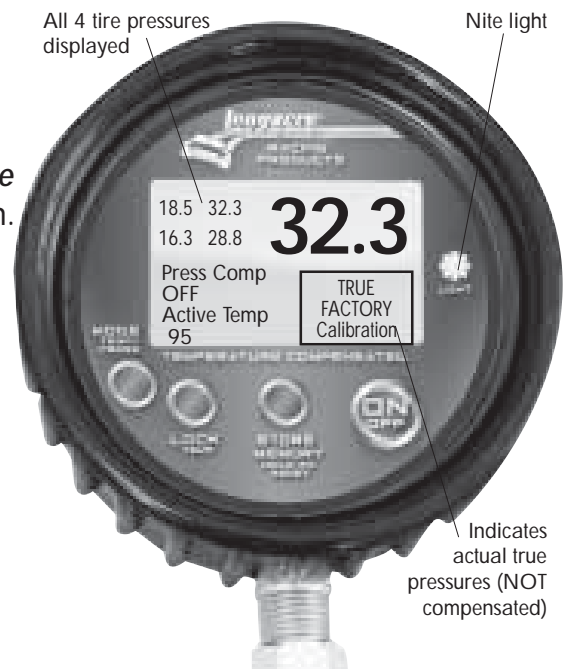
TO TAKE PRESSURES: Turn unit on (auto-Zeros at turn on). If Zero is needed quickly tap **ON/OFF** button. To turn off hold **ON/OFF** button 1 sec. True factory calibrated pressure will be shown. **Be sure TRUE FACTORY Calibration is on the display in the lower right.** If not push **LOCK TEMP** button.

TO SAVE THIS PRESSURE TO THE DISPLAY: Push **STORE MEMORY** button. That pressure will be stored on the display. Start at the Right Front, then the Right Rear, Left Rear, then Left Front. Once you have all 4 pressures no more can be stored without clearing. If you have stored the wrong pressure push and hold **STORE MEMORY** 2 seconds. The last reading will be cleared. Release button and retake pressure. To clear all 4 continue to hold **STORE MEMORY** for 3 seconds.

TO TAKE TIRE TEMPERATURES: Push **MODE** button. Display will change as shown. Take temps as you normally would. Insert the probe into the tire to the same depth each time, on the outside edge, the center, then inside edge.

TO SAVE TEMPS ON THE DISPLAY (all 12 if desired): Take temps as you normally would. Insert the probe into the tire - first on the outside edge, the center, then inside edge. Wait until temp stabilizes. Push **STORE MEMORY** button at each point. Start at the Right Front, then the Right Rear, Left Rear, then Left Front (this is the order the temps are saved to the display). Once you have 12 temps no more can be saved without clearing. If you have saved the wrong temperature push and hold **STORE MEMORY** 2 seconds. The last reading will be cleared. Release button and retake temp. To clear all temps continue to hold **STORE MEMORY** button for 3 seconds.

TO TAKE TEMPERATURES AND TIRE PRESSURES AT THE SAME TIME: Save valuable practice time and get your pressures and temps as fast as possible. Start at the Right Front and take tire temps, saving them on the display as described above (remember to start at the outside of the tire, then center, then inside - this is how it is saved to the display). When you have the 3 temps push the **MODE** button to switch to the Pressure Mode. Take the pressure as usual and save it on the display - described above. Move on to the Right Rear, Left Rear, and Left Front, taking pressures and temps at the same time. When done all 12 temps and 4 pressures will be displayed to analyze or record.



How TEMPERATURE COMPENSATION Works

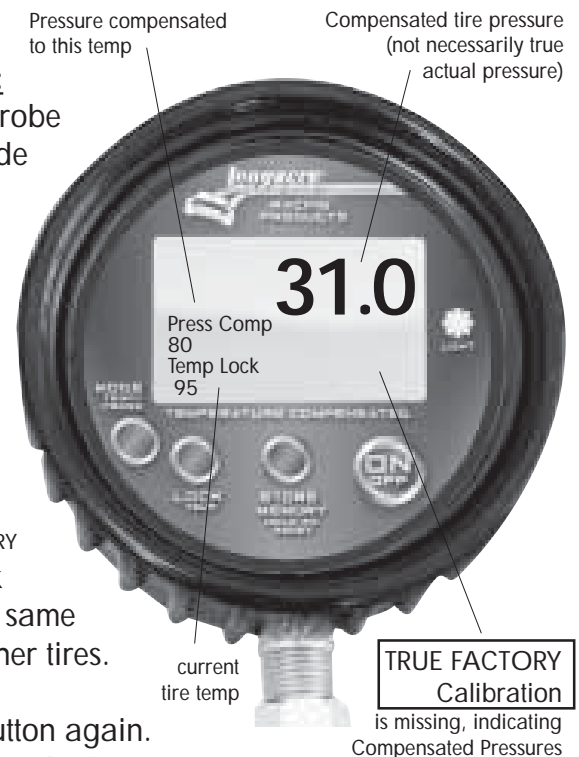
This Professional Tire Pressure Gauge will measure and store on the display 4 tire pressures and 12 tire temps in the traditional way.

It will also (optionally) compensate or correct tire pressures back to a standard temperature. The pressures you set before the race determine the critical pressures on the track. The ultimate temperature on the track will be the same regardless of the starting temperature. If you set starting pressures at different temperatures you will get different and inconsistent track pressures. For example if you set one at 32.3 psi at 80° and you later set it at the same 32.3 psi but at 95° (tires sat in the sun) the pressure, if it cooled down to 80°, would be 31.0 psi. Would that 1.3 psi make a difference on your car? With this gauge you can measure the tire temp (in the pits before the race) and the gauge will (optionally) correct the pressures *as if you set them all at the same standard temperature.*

TO TAKE TEMPERATURE COMPENSATED TIRE PRESSURES:

(compensated or corrected back to a standard temperature) Connect the tire probe included on the lower right side of the gauge. Note the wide and narrow spades (if connected backwards the unit will read backwards). The wide spade is toward the top. Insert the probe into the tire tread area much as you would if you were taking temps off the track. Allow a few seconds to stabilize. Now push the **LOCK TEMP** button. The display will change as shown and the gauge's microprocessor will now compensate or correct the pressures as if the tire was at 80°F (this may not be the actual pressure at that point). Adjust the tire pressure as needed. To do the other tires repeat the above procedure. Push **LOCK TEMP** to reSet (returns to TRUE FACTORY Calibration), then use probe and **LOCK TEMP** again to lock the new temp. If you are absolutely sure all tires are at the same temp you can skip the probe and **LOCK TEMP** on the other tires.

To return to true factory calibration push **LOCK TEMP** button again. True Factory Calibration will appear in the lower right of the display.



OTHER IMPORTANT NOTES:

- Adjustable probe tip - adjust probe depth as preferred & tighten lock nut against body. CAUTION: To read temps quickly it MUST be small & delicate and can be broken easily. Use yellow protector.
- Low batt indicator shows on display. Replace battery on back w. a quality 9 volt Alkaline. Battery life is approx. 25 hours. An auto-shutoff shuts gauge down after 1 hour.
- Must say "TRUE FACTORY Calibration" on lower right of display for correct (uncompensated) readings.
- Backlite shortens battery life somewhat. See button to right of display. Auto-shutoff after 2 minutes.
- Keep clean and dry. Avoid strong magnetic fields (caster camber gauge magnetic adaptors?).
- 3 air bleed buttons - use just 1 or all 3 for faster bleed-off.

FOR METRIC CONVERSION:

- In normal pressure mode press **MODE** and hold 5 seconds. Will stay until changed again.



Temperature Compensating Digital Tire Pressure Gauge



QuickStart Instructions

TO TAKE PRESSURES: Turn unit on (auto-Zeros at turn-on). If Zero is needed quickly tap **ON/OFF** button. To turn off hold **ON/OFF** button 1 sec. True Factory Calibrated pressure will be shown.

TO SAVE PRESSURE TO THE DISPLAY: Push **STORE MEMORY** button. Start at the Right Front, then the RR, LR, then LF. To clear all temps push & hold **STORE MEMORY** button for 3 seconds.

TO TAKE TIRE TEMPERATURES: Push **MODE** button. Display will change to temperature. Plug the probe into the gauge on the right side. Note wide and narrow spades. Take temps as usual.

TO SAVE TEMPS ON THE DISPLAY: Take temps as you normally would - first on the outside edge, the center, then inside edge. Push **STORE MEMORY** button at each point when temp stabilizes. Start at the Right Front, then the RR, LR, then LF. To clear all temps hold **STORE MEMORY** 3 sec.

TO TAKE TEMPERATURE COMPENSATED TIRE PRESSURES (in the pits - before the race) : Insert the probe into the tire tread area much as you would if you were taking temps coming off the track. When temp is stable push the **LOCK TEMP** button. Pressures will now be compensated or corrected back to a standard temperature. Push **LOCK TEMP** to reset, then repeat for next tire. To return to True Factory Calibration push **LOCK TEMP** button again.