

TCSI-E80 INTERNAL SENSOR



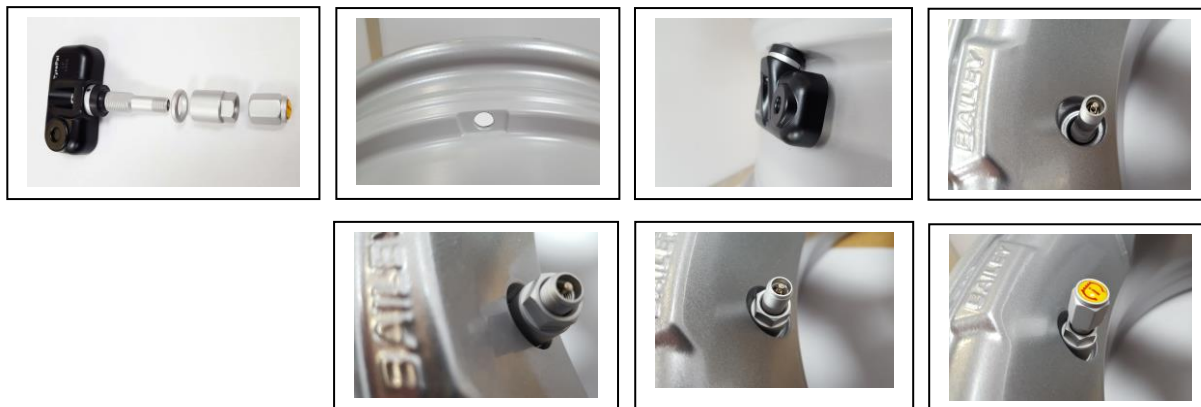
505-915-112-0 (TCSI-E80)	Internal sensor with LF
Dimensions	47.2 x 24.6 x 78.3mm (with valve)
Weight (including battery)	27g
Battery Life	Non-replaceable, 3 years (CR2032, 4hours driving time per day)
Pressure range	0 to 8bar (0 to 116psi) Accuracy ± 0.1 bar (1.5psi)
Temperature range	-40 to 80°C Accuracy $\pm 3^{\circ}\text{C}$
Transmission frequency	433.92MHz
Transmission power	< 10dBm
Measurement interval	6 seconds (sleep mode: 12 seconds)
Transmission interval (no fast leakage)	Five minutes
Fast leakage threshold	If pressure falls 3 psi (0.2bar) continuously within one minute.
Sleep function	Yes. Sensor stops transmitting while vehicle is parked and resumes when wheels are turning
LF coding function	Yes

PLEASE NOTE: The TyrePal internal sensor will need to be registered (LF coding) to a TyrePal monitor. We recommend that you register each sensor to the monitor BEFORE TYRE INSTALLATION. Therefore, you will know that each sensor is ‘live’. All new sensors are quality control tested by the manufacturer.

Please follow the instructions in the monitor’s User Manual. During the registration process, remember to keep sensors apart (from each other) to ensure the correct code is picked up by the monitor. You will also need to ensure that once paired, the correct sensor is fitted to the correct tyre.

Fitting procedure – this should always be carried out by a trained technician

To install the internal sensor, first - the tyre needs to be removed from the wheel. Remove the dust cap from the valve, remove the hexagon collar and washer. Insert the valve into the wheels' valve hole from the inside of the wheel well:- make sure that the black rubber seal is situated in the valve hole. Slide the washer down over the valve and fit the hex collar with the hexagon uppermost. Tighten the hex collar to a torque of 6.8Nm. Refit the tyre and inflate. Test the valve with soapy water to ensure that there are no air leaks



Replacing the valve on an existing sensor



Unscrew the old valve from the sensor.

Then remove the screw from the bottom of the new valve



Insert the screw through the hole in the sensor body



Screw the valve onto the exposed thread and hand tighten as much as possible.