



ANDROID

T1 is the new concept of on-board weighing and control of tire pressure and temperature for earthmoving machines, mining and logistic applications, in one device. The innovative TX4+ bluetooth transmission module allows a direct and constant control of the loaded material and the condition of the tires of your machine through an Android App for smartphone or tablet. T1 manages digital pressure sensors for the hydraulic circuit connection and proximity switches or angle sensors for the weight reading ensuring accuracy and payload control in real time. In addition, thanks to the OTR TPMS wireless sensors, all information relating to the pressure, the temperature and the tire status is displayed in real time on the Android T1 App. All weighing and TPMS data can be transmitted via serial or via can-bus line to the on-board computer or directly in-cloud on external devices, maintaining control and management of productivity and safety of your machines.



Bluetooth paper roll printer >



TPMS OTR sensors ^



Outset tracking data ^



ADVANTAGES

- Real time on board weighing
- Dynamic weighing function
- OTR TPMS integration in a single App
- Multiple attachments management
- Freedom to choose device size
- Quick and easy installation
- Supreme accuracy

FUNCTIONS

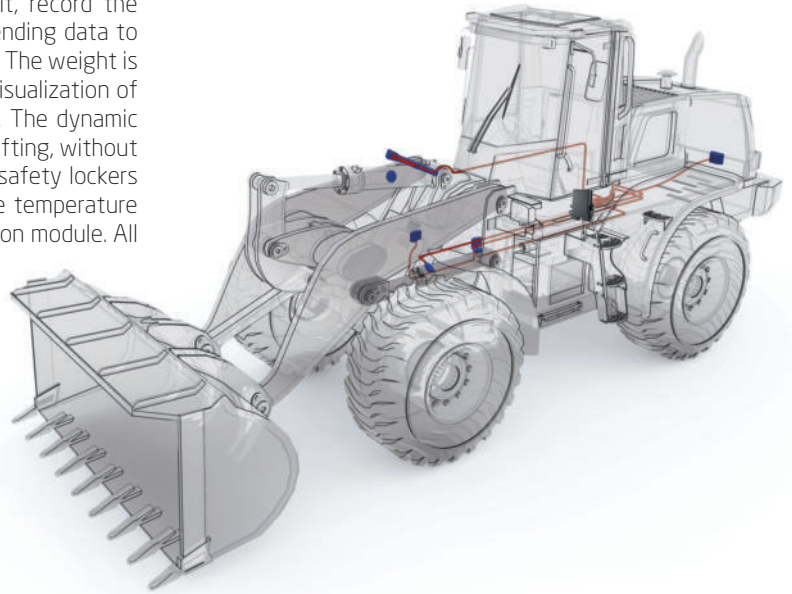
- Visualization of total and partial weights, buckets number, material type
- Tire pressure and temperature values
- Internal storage database
- Load thresholds
- TPMS alarms
- Cubic meter conversion
- Tare management

TX4+ TECHNICAL DATA

Working temperature	-40° ÷ +85° C
Power supply	10÷30 Vdc
Protection level	IP68
Consumption	>0,50 ADC
Dimensions	118x133x36mm
Features	Inverse polarity protection
	Shortcircuit proof
	Bluetooth long range module

WHEEL LOADER

The digital sensors, which are installed on the hydraulic circuit, record the pressure variation due to the weight loaded on the bucket, by sending data to the TX4+ transmission module located in the wheel loader's frame. The weight is reading by proximity switches or angle sensors allows to have a visualization of the total and partial weights, buckets number and material type. The dynamic weighing function makes it possible to weigh the load during the lifting, without having to stop operations. The OTR TPMS external sensors with safety lockers are screwed directly on the tire's valve sending the pressure, the temperature and the tire status of the machine directly to the TX4+ transmission module. All informations are displayed in real time on the T1 Android App.

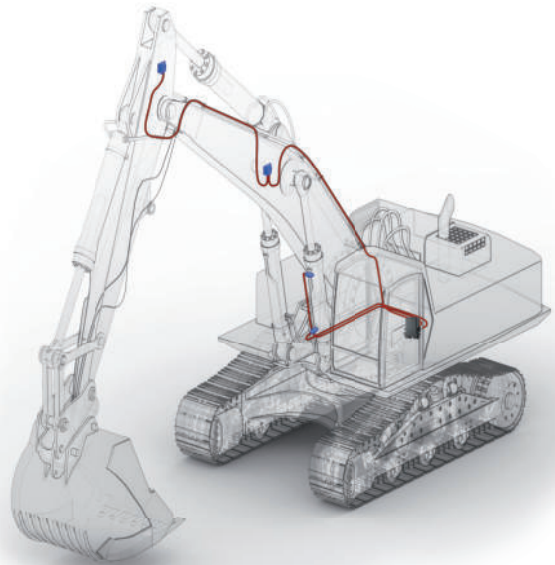


Accuracy: **0 ÷ 1%**

Technical data	Sensor 400 bar
Range	0400 Bar
Safe overload	150%
Output	0,5 ÷ 4,5V
Working temperature	-40° ÷ +100° C
Protection level	IP67
Weight	38 gr

EXCAVATOR

The digital sensors, which are installed on the hydraulic circuit, record the pressure variation due to the weight loaded on the bucket, by sending data to the TX4+ transmission module located in the excavator's frame. The weight is reading by angle sensors allows to have a visualization of the total and partial weights, buckets number and material type. The dynamic weighing function makes it possible to weigh the load during the lifting, without having to stop operations. Automatic adjustment of the weighing height available. All informations are displayed in real time on the T1 Android App.



Accuracy: **0 ÷ 3%**

Technical data	Sensor 400 bar
Range	0400 Bar
Safe overload	150%
Output	0,5 ÷ 4,5V
Working temperature	-40° ÷ +100° C
Protection level	IP67
Weight	38 gr

TX4+ TRANSMISSION MODULE

- ✓ Cloud data storage
- ✓ Bluetooth printer
- ✓ Dashboard
- ✓ Integrated data management
- ✓ Customized app



OTD - OUTSET TRACKING DATA

- ✓ Weighing data management
- ✓ TPMS data management
- ✓ Anomaly detection
- ✓ GPS tracking
- ✓ 24/7 monitoring
- ✓ Cloud data collection

