

RÖSLER TYRE INNOVATORS

Product Information



RE-MADE IN GERMANY



“Controlled safety through the right air pressure and right temperature within a tyre is now made possible for EM tyres as well as for crane and port handling tyres – thanks to Intread Com.”



Rösler is improving its already well-known tyre pressure monitoring system (TPMS) for EM tyres and introduces its new Intread Com system. The Intread Com system helps to improve safety and to optimise tyre performance in many applications for construction machinery tyres. In particular, the Intread Com controls air pressure and temperature for tyres of dump trucks and articulated dumpers; but it also does so for tyres of wheel loaders used in quarries, gravel plants, natural stone suppliers and recycling operations. In addition, this air pressure monitoring system can be used in port operations, e.g. for tyres of container stackers and other machinery used for transport.



COM-7-R

Central plug connection to COM-i.

12-24 V DC power supply via a separate plug.

Mount for COM-7-R (screw connection)

“INTREAD” program

- Programming via the display panel
- Display of tyre positions (max. 8 tyres)
- Automatic data storage via USB stick
- Temperature sensors for the tyre casings

Together with our Swiss engineering team, we have now developed an improved and sophisticated system for monitoring the tyre pressure and tyre temperature, which determines and simultaneously controls tyre pressures and tyre temperature in real time. The values for tyre pressure and tyre temperature are either displayed on a 7-inch display inside the operator's cab only, or are also submitted to receivers such as laptops or smartphones via text message or e-mail using a telematics interface. In addition, the driver/machine operator receives a visual or acoustic warning signal inside the cab when critical tyre pressure or tyre temperature values are reached. The radio link between the tyre sensors based on the 2.4 GHz band and the "Intread Com-i" receiver remains stable without further amplification of the measurement data, even in the most difficult of applications and under the most difficult of conditions. The 7-inch screen displays all tyre pressures and tyre temperatures online and sends an alarm to the display or to other receivers if the target values are exceeded or not reached.



COM-i-R

Standard:

1 multi plug connection (socket) to the COM-7-R for all features (data, voltage); all antennas integrated. Robust design.

Approximate dimensions: L 130 mm W 120 mm H 35 mm

Cable length to COM-7-R: 5 m available (longer cables available as an option).

Integrated antenna for TPMS

Optional: integrated telematics with antenna

Optional: integrated SMS (text messaging) unit with antenna

Programming of the target values into the system takes place easily and individually via USB stick that transfers the values. The live recorded and measured tyre data can either be collected on a storage medium or saved directly to a cloud system. From there, the valuable tyre data is accessible at any time.

It is also possible to transmit all tyre data using the vehicle's data bus, thereby making the data available for further analysis.

The Intread Com system is installed quickly and easily in and on the vehicle's cockpit and only requires an on-board power connection.

The Intread Com system for monitoring tyre pressures is available for order now and includes a range of selectable sensors.

The user will either receive sensors that are vulcanised or glued into the tyre, or the sensors are screwed onto the existing tyre valve in the form of caps or extensions, thereby making installation of the sensors considerably easier.

Standard sensor for installation within the tyre

Air pressure and temperature measurements within the tyre



Valve sensor for installation on the valve

Air pressure and temperature measurements on the valve (valve extension)



Valve sensor for installation on the valve

Air pressure and temperature measurements on the valve (valve cap)



The costs for such a system are low in comparison to the benefits and amortise quickly since vehicle downtimes are avoided and service life of the tyres is optimised.

The safety of the driver/machine operator is just as important to us as operational safety, thereby ensuring that work can be carried out in such challenging applications without any accidents or risks.



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