

Product information

Litronic-WCS



Full control when adding water

The Litronic WCS (Water Control System) is a new telematics options for the generation 05 truck mixer.

For the operating company this opens new opportunities for assurance of concrete quality during deliveries, for the optimisation of processes and for monitoring or documentation.

- Recording and allocation of all water quantities used at each delivery
- Complete documentation in material management with traceability through data transfer via the integrated telematics interface
- Assurance of the concrete quality during delivery through verification of the quantity of water added
- Simple operation and allocation of water quantities by the driver

The addition of water to the concrete has a significant influence on the quality of the concrete hence the checking and documentation of the water consumption at the truck mixer is an important aspect of the delivery chain. Features of the water system are three electrical valves and a contactless flow meter. The electrical control system also supports the driver with the following new convenience functions:

- Addition of pre-defined water quantities, for instance 10 litres
- Mix concrete for 5 minutes (other durations also possible)
- Water emptying for winter operation
- Empty the water tank completely into the drum
- Cleaning program for the mixing drum
(Water tank is being emptied into the drum, drum rotation in alternating directions)

All water consumptions are documented and allocated. for example, selecting „Water for cleaning the feeding hopper“ allocates the quantity consumed to the „Water addition to concrete“ process. With the addition of water, the system then requests mixing the concrete for 5 minutes. Cleaning operation during the tour back home turns the drum alternately in both directions so that contaminants are removed more easily. All relevant data from the water system and from the drum controller are being transferred to the material management system as follows: Drum speed, turning direction, water quantities with allocation.

Due to technical reasons, the Litronic WCS is only available in combination with the „Litronic EMC“ electronic drum control system.