

Data Assessment & Communication

Activity Recorder of the the product family VR903

Product Features



The VR903MX is the data source of the YAMS System. This is where all activities is being stored from the work machine and, all data is recorded at the correct time.

The VR903 family has a memory capacity of ~160 days at each day of 10 hours working.

- This Recorder VR903MX is basic version whereby the user is informed over state of operation, standby or busy. External information can be additionally equipped. This can be determined by the user at his choice. The recorder simply mounted in place that is subjected to vibrations whilst the machine is a working mode. Even at a very low vibration level, no matter at what axis, the data is good to record and to analyse.
- These units are protected against dust and water, and are also fake proof, as well as being resistant against UV – rays.
- The VR903 is in itself functional wise self-contained. There are external connections that are needed. For the other 5 variants of this family refer to the overview of this entire product range R903.
- The internal function is supported by 2 x 9 Volt monobloc batteries. The capacity of the batteries is good for just over one year.
- The resolution of the recordings is one second for all data. The collection of data is possible any time and of no problem.
- The Recorder monitors and stores location and movement of the vehicle. Derived from a multi-constellation of the global satellite navigation system. Low frequencies work related vibration are being recorded. This leads to a detailed analysis of the compiled activities of the stationary plant. With an appropriate connection to a drive like alternator, idling time can be monitored.
- The progress display shows the actual state of the working machine. This display is at all times time correct and cannot be altered.
- The installation of the Activity Recorder is done by the user himself. All necessary information can be downloaded, any time.
- Suffix "G" means this Recorder is equipped for automatic up- download of data via the YAMS cloud Server, Cellular Networks.
- These Recorders are all equipped with a large data memory. This enables also manual up- download data by using the tool Tally Stick TS153.

Available ranges of the Activity Recorders VR903

Model	MX	RMX	L	MXG	RMXG	LG
Event Markers	2	2	16	2	2	16
Work Codes	-	12	16	-	12	16
Automatic Data Upload	no	no	no	yes	yes	yes
Display/keypad	no	no	yes	no	no	yes

The event recording pushbuttons (on the remote M22X) can be used to record events such as Load tips and work cycles.

The 12-position work code/category dial (on "R"-suffix recorders) may be user-configured work conditions, work categories, breakdowns, different work locations, customers, operators etc. Reports and charts in the system software permit analysis of categorised activities.

Continued research and developments may result in specification or appearance changes at any time.

Technical Data of VR903

Data capacity:	more than 160 days at 10h working day
Recording:	vibration in relation to time and intensity. engine running time in relation to time (optional).
Electricity:	two 9 Volt alkaline high energy monobloc batteries
Battery lifetime:	good for over one year
Display:	standby (red), active (green)
Dimension:	120 mm long x 100mm wide x 60mm high
Weight excluding packing:	430g (incl. batteries)
Environment:	dust proof, splash proof and UV-resistance
Operating temperature:	-20°C to 70°C
Fastening:	four self-taping screws (included in delivery) or with double-sided adhesive cushion tape
Connection idling record	HR67 cable 3 pin connection: for ground to case or minus battery, plus on to a point having 12 V, as long as engine is running. The third wire goes to 12 Volt permanent, e. g. ignition switch.