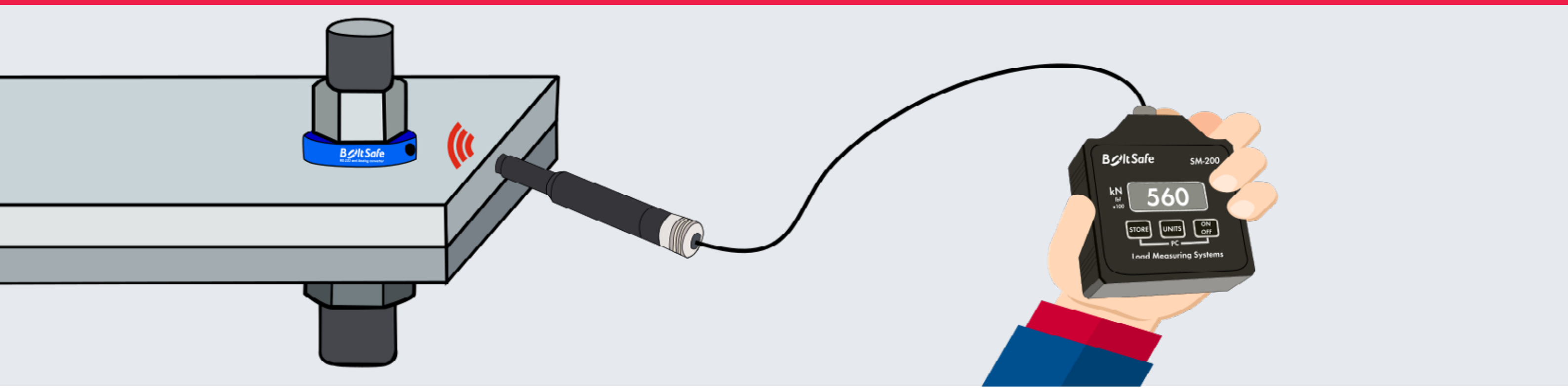
BoltSafe Sensor PMS



BoltSafe Sensor PMS

BoltSafe Sensor PMS (Periodic Monitoring System) is a specially designed sensor to monitor the residual bolt load in bolted joints. In this way the uncertainty in achieving the desired residual bolt load can be removed. This will result in enhanced safety, dependable joints, better control and improved cost benefit both during installation and throughout the joint's service life.

The sensor

BoltSafe Sensor PMS is shaped and used as a regular washer, and is available in standard sizes. The design is rugged and able to withstand though environments.

BoltSafe Sensor PMS employs an ASIC (Application Specific Integrated Circuit) in each unit, which performs all the signal conditioning and digital communication for each unit. This means that each BoltSafe Sensor will have its unique serial number for identification and traceability. The digital monitoring system measures both the residual bolt load and the sensor temperature. The calibration of the sensors is done once, and there is no need for re-calibration throughout the lifetime of the sensor when used within the specification.

BoltSafe Sensors PMS have a non-contacting interface and require no cable connections. During service, the unit is powered over an inductive interface connected to a handheld instrument.

The BoltSafe Sensor PMS can be read by the handheld instrument SM-200 BoltSafe Reader in combination with a PMS-probe. The user can monitor the residual bolt load directly on the instrument.

BoltSafe Sensors PMS have a non-contacting interface and require no cable connections.

You can monitor the residual bolt load directly on the handheld instrument using a probe.

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