

SPC4™ READERS



All Models:

- Displays bolt clamp load with $\pm 5\%$ accuracy.
- Significantly reduces installation and maintenance time.
- Safer bolted assemblies.
- Applies uniform distributed load on gasketed joints.
- Comes with a certified calibration gage.
- Annual recertification services available.
- **Warranty & Repairs:**
 - 5 year limited warranty on manufacturing defects.
 - Repairs and refurbishment of older, out of warranty units available.
 - Loaner units available during repairs.
- **Protection from the Elements:**
 - When not in use, readers should be kept inside included carrying case and in a dry environment.

SPC4™ Reader Model 404A:

- Direct replacement for the SPC4™ Reader Model 402.
- Digital display.
- Power Supply: Two (2) AA Batteries
- Operating Temperature: 14°F to 140°F, or -10°C to 60°C.

SPC4™ Reader Model 424A:

- Digital display.
- Electronic control of an installation tool to a preset clamp load.
- Tightening tool can be hydraulic, pneumatic or electric.
- Power Supply: Can be set to work on 110 or 220 Vac; 30 A maximum output.
- Operating Temperature: 14°F to 140°F, or -10°C to 60°C.

SPC4™ Reader 500 Series:

- Analog display.
- Two different connection styles:
 - Model 500A: Traditional Snap On connection.
 - Model 5050B: Magnetic connection.
- Intrinsically safe mechanical operation does not require power supply.
- Operating Temperature:
 - Meter Probe: -10°F to 150°F, or -23°C to 65°C.
 - Bolt/Stud: Less than 625°F.

SPC4™ Model 600A:

- Electronic Load Data Logger.
- Bolt data can be recorded in the field and transferred to an Excel spreadsheet for analysis.
- Can be preset for different “locations” and “bolts in each location” for a maximum of 13,100 records.
- Power Supply: Six (6) AA Batteries
- Operating Temperature: -4°F to 158°F, or -20°C to 70°C.



Instructional videos available at www.vfbolts.com/instructional-videos/

SPC4™ WIRELESS READERS



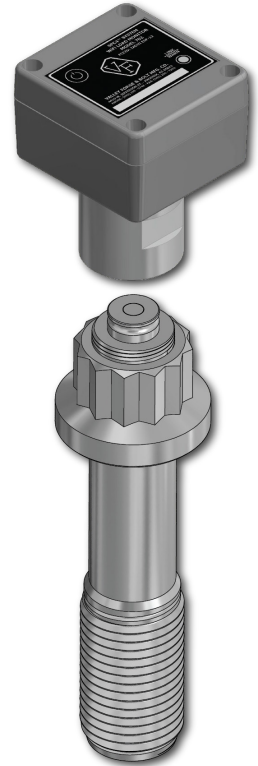
SPC4™ Reader 702 Series

Reading:

The SPC4™ 702 Readers operate using the same technology as the SPC4™ Readers on the previous page. They allow wireless monitoring of a fastener's load as a percentage of yield strength of the fastener by logging and saving data at a receiving station. Data is equal to 100% being the minimum yield load of the fastener.

Specifications

- Probes use standard WiFi protocol, IEEE 802.11.
- Probes can wirelessly communicate to an access point up to 100 m (328 ft).
- Individual probe dimensions: 61 x 66 x 76 mm (2.4 x 2.6 x 3.0 inches) 0.3 kg (0.65 lbs.)
- Wireless units can be configured to transmit continuous data in intervals ranging from 1 second to 16 hours to meet your specific application's needs.
- Uses a non-rechargeable CR123A battery allowing up to three years of life.
- Capable of being installed on either static or dynamic applications and provide data-logging.
- Probes are built to the Ingress Protection Class IP-67.
- **Operating Temperature:** Probes are designed to function over the range: -40°C to 70°C, -40°F to 158°F.
- Can be paired with either a SPC4™ 702-DL WiFi Data Logger or be integrated into your operation site's WiFi network and or SCADA system for remote data logging.



Data Logging with the SPC4™ 702 Series

The data logger serves as a wireless access point that has its own WiFi network in which the configured probes can connect to. The data logger continuously monitors for wireless probe data transmissions. The data received from a probe transmission is the probe number and the bolt load as a percentage of yield strength of the fastener. The data logger saves this information along with a time and date stamp of when the data was received. The data log is saved on a shared drive in the form of a USB Flash Drive that can be either accessed directly or remotely via the data logger's network. The data log is formatted to be easily imported into Excel® for data manipulation and graphing.

