Be sure. testo

Your security is important to us.

Protection of data and privacy with testo Saveris 2 and testo 160.

In order to guarantee the integrity and intactness of your personal data and your measurement values when using testo Saveris 2 and testo 160, Testo SE & Co. KGaA and our IT partners meet the highest security standards, guidelines and regulations. testo Saveris 2 and testo 160 are based on the most modern security concepts combining technological and organizational measures. As much as necessary and as little as possible is stored, in order to keep your system efficient and secure. In this document, we have assembled all relevant information which you need to know for the protection of your data and your privacy. If you have any further questions, we are available to help at all times.

Which data are we talking about?

We differentiate between:

- Personal data protection: Stored user data are used only for the purposes of alarms and access protection. For service purposes, web traffic is protocolized anonymously. As a matter of principle, Testo can access your account only with read-only permission.
- Measurement data protection: For the purposes of guaranteeing timed documentation and the traceability of measured values.

How does Testo protect your data?

- All your data are protected by the same robust security measures, and are transferred only encrypted.
- All from one source: Thanks to our monitoring and service tools, we have your system availability always in view – you come into contact only with the data loggers and the software developed by us.
- The testo Saveris 2 software is controlled simply and securely via your internet browser (SSL & https transfer).
- For our Cloud infrastructure, we cooperate with our partner Amazon Web Services (AWS). AWS is certified according to national and international standards and norms (e.g. PCI DSS, ISO 27001 and 95/46/EG), and has no access to your information content – comparable to a bank safe-deposit box.
- We operate our European testo Saveris 2 and testo 160 customers' systems through certified computer centres in Germany. In addition to this, there are other, mutually independent computer centres in America and Asia, increasing security, error tolerance and latency times, and shown, among other things, in our average **availability** of >99%.
- We keep your system current with regular updates. In addition to this, you can take your data security into your own hands and, for **confidentiality** purposes, pay attention to defined access rights and password quality.
- Part of a high level of security is also the correctness of the data. Measurement data remain in the data logger until the system has confirmed their **integrity** and they have been securely stored in the Cloud.
- The data loggers testo Saveris 2 and testo 160 can be integrated into all common wireless LAN networks, and also support WPA2 Enterprise.
- The ports used for the testo Saveris 2 and testo 160 data loggers' communication need to be opened only to the outside. Bidirectional releases are not necessary.
- Each of your testo Saveris 2 and testo 160 data loggers has a unique MAC address.

Detailed information testo Saveris 2 and testo 160 wireless data logger system

Supported networks	**Supported network encryption**	**Router ports** (no bidirectional releases necessary)	**Browser ports**	**Indication**
Order numbers 0572 2031 to 0572 2035: IEEE 802.11 b/g/n IEEE 802.1X Order numbers 0572 2001 to 0572 2005: IEEE 802.11 b/g/n 2.4 GHz, Transfer rate up to 150 MBps	Unencrypted WEP WPA (TKIP) WPA2 (AES) For data loggers with the part numbers 0572 2031 to 05722035, WPA2 Enterprise networks are also supported with the following authentification methods: EAP-TLS, EAP-TTLS-TLS, EAP-TTLS-MSCHAPv2, EAP-TTLS-PSK, EAP-PEAP0-TLS, EAP-PEAP0-MSCHAPv2, EAP-PEAP0-PSK, EAP-PEAP1-TLS, EAP-PEAP1-MSCHAPv2, EAP-PEAP1-PSK	TCP: From order number 0572 203x Port 8883; Protocol MQTT TCP: Up to part number 0572 200x Port 1883; Protocol MQTT UDP: Port 53 (DNS name resolution) UDP: Port 123 (SNTP time synchronisation); If required, own NTP server definable	Port 443 (https) Port 80 (http)	IP address: Dynamic (DHCP), can also be defined statically Unambiguous MAC address

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