

Pressure Gauge Intelligent Identification Tool



The latest intelligent pressure gauge identification tool based on smartphones (only for Android systems) can accurately identify the indications of digital pressure gauges, electronic sphygmomanometers, pointer-type general pressure gauges and precision pressure gauges. Available in two versions:

1. Manually Verification Version

This version supports all manually verification equipment. It identifies the indicated value of the device under verification by sending instructions via a "remote controller", and can calculate the identified data in accordance with verification regulations to provide judgment results. It supports the entry, query, and modification of basic information of the instrument under verification, as well as the query of verification data, results, and validity period. With the help of PC-side software, it can automatically generate verification reports and records. It can also generate QR codes

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containing the basic information, verification results, and validity period of the instrument under verification, which can be printed and affixed to the pressure gauge as a verification mark, facilitating direct scanning and entry of the gauge's information during re-verification.

2. Full-Automatic Verification Version

This version needs to be used with a full-automatic pressure generator or an intelligent pressure controller (communication protocols can be provided for third-party products). It can automatically and accurately identify digital pressure gauges, electronic sphygmomanometers, pointer-type general pressure gauges, and precision pressure gauges without any manual intervention throughout the process. When verifying pointer-type general pressure gauges and precision pressure gauges, a pressure connection platform with a tapping device is required.

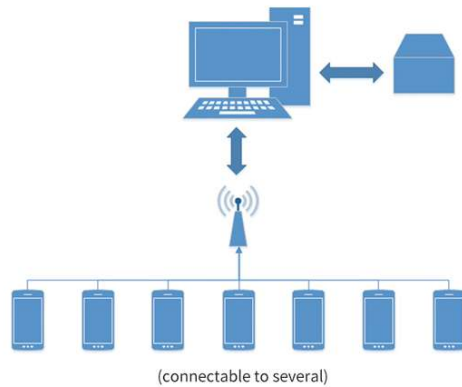
Billing Methods:

1. Pay-Per-Use

Customized user codes and passwords can be entered in the mobile app to activate the service. Under the same code, multiple mobile devices (either local or remote) can perform identification and verification via "cloud parsing". This model is suitable for customers with small verification volumes.

2. One-Time Purchase

Purchase the "Magic Decoding Box" for lifetime use with free upgrades. It supports multiple mobile devices to perform identification and verification within the LAN. The structure diagram is as follows:



The intelligent identification tool can effectively solve the problem of accuracy in reading indication errors, while also addressing the time-consuming challenges of data recording and calculation, significantly improving verification efficiency and the level of automation.

Main Features:

- Applicable to all smartphones with Android system;
- No additional light source required, with high recognition rate;
- Intelligently identifies the indicated values of digital pressure gauges, electronic sphygmomanometers, pointer-type general pressure gauges and precision pressure gauges, without the need for manual intervention in selection;
- Low requirement for shooting angle, no need to be vertical or directly aimed at the center.

Custom Development:

- Provide on-site remote reading equipment and software for pressure gauges, enabling real-time and off-site viewing of pressure gauge indications;
- Custom development of mobile-end software, with enterprise ERP data interfaces to meet the needs of different customers;
- Provide OEM and customization services for peers or clients engaged in the production and use of pressure metrology verification equipment;

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- Provide solutions for automatic indication identification and data processing for customers calibrating digital multimeters.