ABB MEASUREMENT & ANALYTICS

# SRV500

## ABB Ability Verification for measurement devices

# Measurement made easy

**ABB Ability™ Verification for measurement devices is an extensible application that connects with field devices over their applicable protocols to provide in situ verification. It provides PASS / FAIL results together with relevant diagnostic information to a series of tests chosen by the user and run on a field device and issues a test certificate as proof of verification. The best possible check of measurement performance, without removal from the process.**

# What is verification?
## Verification is not calibration

Help meet regulatory requirements and reduce maintenance costs with verification testing

Verification is the inspection and testing of a measurement device to establish that it is functioning within a specified permissible measurement error. Verification is typically used to meet regulatory / Quality Management System requirements. Industrial instrumentation is robust, very reliable and designed to operate for many years with minimal maintenance. In today's competitive environment customers are looking for ways to maximize their profitability – regular product verifications is one way to ensure processes continuously operate at their peak. Verification is not Calibration and does not provide a certificate in conformance with ISO17025.

**Maintenance made easy**
- Universal test platform
- Automated test procedure
- Simple connection
- Intuitive and easy to use software

**Predictive maintenance**
- Detailed analysis of device health status
- Trend data to determine maintenance interval

**Flexible license options to suit your needs**
- Try before you buy
- Pay per use or annual licenses

—

Meet the ISO9001 quality regulations with a qualified and accepted inspection method on-site with one  solution.

# Overview
## ABB Ability for measurement devices

— 01 Free software download for the best possible check of measurement accuracy

The next generation verification tool suite for use with a range of ABB flow meters. Download the software for free and load the relevant Verification Definition File (VDF) to provide the best possible check of measurement accuracy, without stopping your process. The software verifies the condition and performance of the device under test. With the licensed software version, test reports can be generated and stored locally for further analysis. Results can also be compared with historical measurements using the graphing function.

Building on ABB's fingerprint philosophy, each device is verification tested before shipping from the factory. The software enables the operator to choose whether to use either the factory fingerprint or to create a new fingerprint based on real site conditions after product commissioning. All verifications performed in the field can then be compared with the fingerprint data and previous tests to ensure device performance has not degraded.

—
01

# Snapshot
## Product features and verification levels

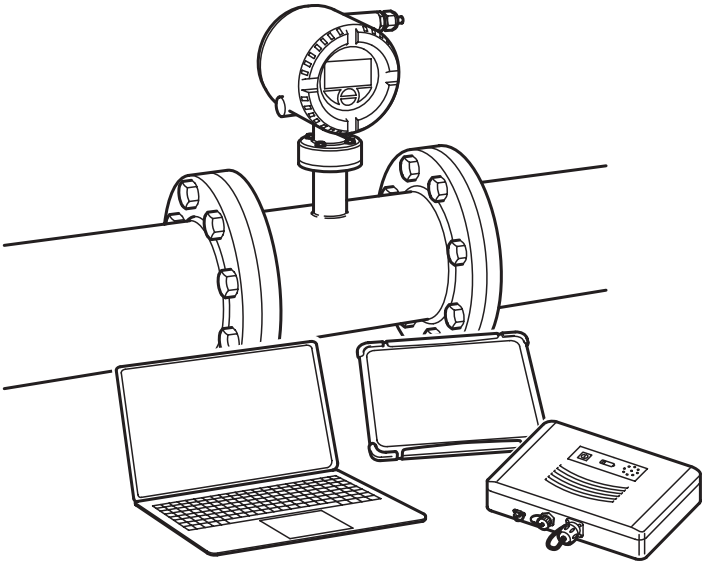
—
02 Use the software on all Windows OS -driven systems like desktop-PC's, notebooks or tablets

03 Connect easily to the ABB measurement devices via various supported communi-cation possibilities.

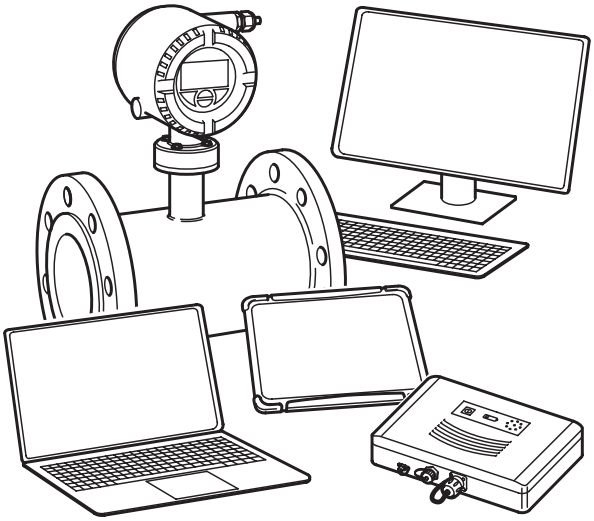
**Licensed software testing**
- Easy to operate testing of product performance and maintenance needs
- Detailed certificate printing for regulatory and quality system management
- Move from reactive to predictive maintenance planning with historical data
- Local and networked data storage capabilities

**Free Software testing**
- A simple method of checking product health
- Simple connection to your device
- One-button verification testing
- Fast feedback of device condition

—
02



—
03



# Flow supported products
## Our comprehensive portfolio

—
01 Process Master
FEP300/500/610

—
02 Hygienic Master
FEH300/500/610

—
03 WaterMaster

—
04 VortexMaster

—
05 SwirlMaster

—
06 AquaMaster4

—
01

—
02

—
03

—
04

—
05

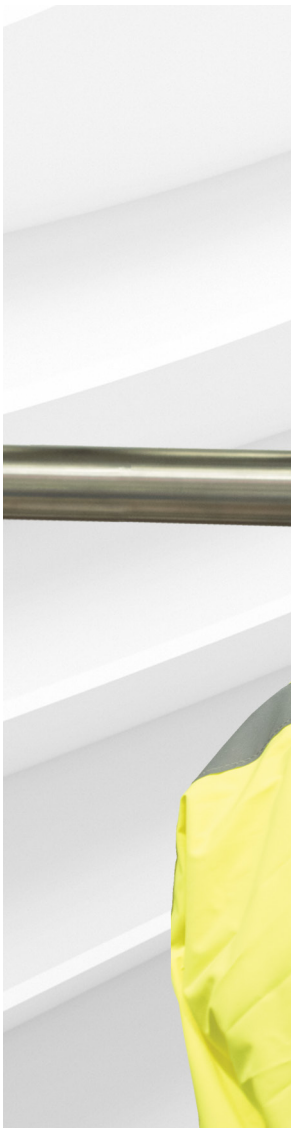
Flow verification services

Advanced services

ABB Ability verification for measurement devices

**ABB Limited**
**Measurement & Analytics**
Peenya Industrial Area
Bangalore-560058
India
Toll free: 1800 420 0707
International: +91 80 67143000
Mail: contact.centre@in.abb.com
Webform: www.abb.co.in.abb.com

**abb.com/measurement**



PB/SRV500-EN Rev. A 08.2018

© ABB 2018