

WeldScanner Validator

The EN 50504 Validation Tool



AN ESAB® BRAND



The WeldScanner Validator can validate all brands of welding equipment in accordance with the European Standard EN 50504 - Validation of Arc Welding Equipment. It also offers the same full level of functionality as the WeldScanner.

The device ensures precise measurement for welding voltage, welding current, wire feed speed and the gas flow rate. There are also two additional free measuring channels which can be used for measuring travel speed.

The WeldScanner Validator is delivered as a calibrated system and should be calibrated on an annual basis, e.g. in our laboratory, to ensure compliance with the standards also providing traceability to national standards.

Processes

- GMAW
- GTAW
- SMAW
- SAW

- Touch screen or keyboard operated
- HF proof, can safely test TIG equipment
- Used for welding process variables such as current, voltage, gas flow rate, wire feed speed, etc.
- Measuring reports for validation available as pdf
- Memory of customer and installed base information
- Easy to operate and simple to connect
- Available for arc welding up to 1000A DC / 750A AC and up to 3000A DC / 1500A AC
- Correct measurement of all types of square wave arcs
- Can work with all load resistors, but has been pre-programmed with settings for RC500 and Checkmaster

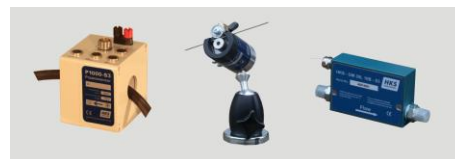
Visit esab.com for more information.

WeldScanner

Load Resistor
(RC500)

Process Sensor
(P1000)

**WeldScanner
Validator is easy
to connect to
any welding
power source**



Package Basic:
process sensor
P1000, wire sensor
mobile gas sensor



Package SAW:
process sensor
P1500, wire
sensor SAW

Sensors for WeldScanner Validator

WeldScanner Validator

Various Applications

Validation for **all types and brands** of arc welding equipment

Automatic creation of **Validation certificates**

Complies with **EN 50504** – Validation of Arc Welding Equipment

Capable of measuring all welding arc types, **True RMS** measuring and **Rectified Average Mean Value** for square waves

High Frequency proof

Measuring all values, amperage, voltage, wire feed speed, travel speed

Measuring on **Standard Grade** and **Precision Grade**

Ordering Information

Description	Part Number	GMAW/GTAW/SMAW 20 – 1000 A DC	SAW 1000 – 3000 A DC
WeldScanner Validator BASIC	HKS0002320	X	
WeldScanner Validator SAW	HKS0002321		X
WeldScanner Validator FULL	HKS0002322	X	X
Gas Flow sensor GMAW/GTAW	HKS0001425	GMAW/GTAW	
Welding travel speed sensor	HKS0001429		
Load Resistor for Arc welding switchable ranges (RC500)	HKS0001536	X	2x
CALIBRATION WeldScanner Validator 0,5%	HKS0002323	X	
CALIBRATION WeldScanner Validator SAW 0,5%*	HKS0002324		X

Package Content

BASIC

- WeldScanner-S3 Base Device
- USB mouse/keyboard
- Process Sensor P 1000-S3
GMAW/GTAW/SMAW
- Wire sensor DV 25 M-S3
- Connection cables Sensors
- Plug adapter for welding voltage
- WeldValidator transport case
- PC software for data export and evaluation

SAW

- WeldScanner-S3 Base Device
- USB mouse/keyboard
- Process Sensor P 1500-S3 SAW
- Wire sensor DV 25UP-S3
- Connection cables Sensors
- WeldValidator transport case
- PC software for data export and evaluation

FULL

- WeldScanner-S3 Base Device
- USB mouse/keyboard
- Process Sensor P 1000-S3
- Process Sensor P 1500-S3 SAW
- Wire sensor DV 25 M-S3
- Wire sensor DV 25UP-S3
- Connection cables Sensors
- Plug adapter for welding voltage
- WeldValidator transport case
- PC software for data export and evaluation



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