

# WeldScanner Validator

The EN 50504 Validation Tool



AN ESAB® BRAND



WeldScanner Validator with  
Transport Case (Full Package)

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 optional the gas flow rate and 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.

- 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
- 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](http://esab.com) for more information.

## Processes

- GMAW
- GTAW
- SMAW
- SAW

WeldScanner

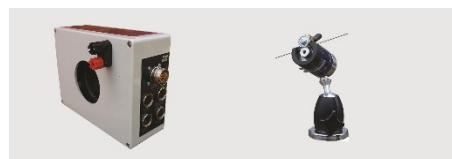
Load Resistor  
(RC500)

Process Sensor  
(P700/1000)

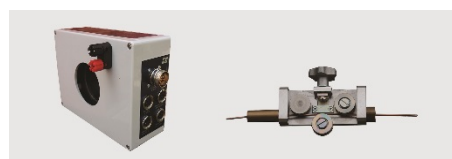
**WeldScanner  
Validator is easy  
to connect to  
any welding  
power source**



## Sensors for WeldScanner Validator



**Package Basic:**  
Process sensor  
P700/1000, wire  
sensor mobile



**Package SAW:**  
process sensor  
P1400/2000,  
wire sensor  
SAW

# 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 and gas flow optional)

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

## Ordering Information

Description	Part Number	GMAW/GTAW/SMAW 700/1000 A	SAW 1400/2000 A
WeldScanner Validator BASIC	HKS0002391	X	
WeldScanner Validator SAW	HKS0002392		X
WeldScanner Validator FULL	HKS0002393	X	X
Gas Flow Sensor 30 l/min	HKS0001425	X	
Welding Travel Speed Sensor	HKS0001429		
Load Resistor for Arc Welding, Switchable Ranges (RC500)	HKS0001536	X	2x
<b>Recalibration</b>			
Calibration WeldScanner Validator 0,5%	HKS0002323	X	
Calibration WeldScanner Validator SAW 0,5%	HKS0002324		X
Calibration WeldScanner Validator FULL 0,5%	HKS0002325	X	X

## Package Content

### BASIC

- WeldScanner-S3 Base Device
- USB mouse/keyboard
- Process sensor P700/1000
- Wire sensor mobile
- Connection cable sensor, 5m
- Plug adapter for welding voltage
- WeldScanner transport case
- PC software for data export and evaluation

### SAW

- WeldScanner-S3 Base Device
- USB mouse/keyboard
- Process sensor P1400/2000 SAW
- Wire sensor SAW 3-5mm
- Connection cable sensor, 5m
- WeldScanner transport case
- PC software for data export and evaluation

### FULL

- WeldScanner-S3 Base Device
- USB mouse/keyboard
- Process sensor P700/1000
- Process sensor P1400/2000 SAW
- Wire sensor mobile
- Wire sensor SAW 3-5mm
- Connection cable sensor, 5m
- Plug adapter for welding voltage
- Measuring cable for voltage 5m
- WeldScanner transport case
- PC software for data export and evaluation



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