

# WeldScanner

Multi-talented recording device



AN ESAB® BRAND



The WeldScanner is a multipurpose measuring device, usable as **data logger, oscilloscope and for validation** – designed by welding experts.

- **Documentation** of welding seams for up to 64 hours of process
- **Easily find the root cause** of errors with error analysis
- Cooling time measurement for **T 8/5**
- **Convenient data export**
- **Interactive touch screen** with curve progression that shows all welding parameters
- **Rugged system** made to withstand use in rough conditions for daily use
- Easy to operate and simple to connect to **any welding power source**

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

## Processes

- GMAW
- GTAW
- SMAW
- SAW
- Resistance Welding
- Stud Welding

## Sensors for GMAW/GTAW



Process Sensor  
P 1000-S3



Gas Flow Sensor



Wire Sensor DV  
25 M-S3



The WeldScanner is easy to operate and simple to connect to any welding power source

# WeldScanner

## Various Applications

Automatic recording of **weld time** and **consumption values** (wire, gas and energy)

Calculation of **heat input** by entering the seam length to the device

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

Calculation of arc energy (heat input) using instantaneous values in **compliance with ISO 15641 and ISO/TR 18491**

Production control assistance conforms to **EN 1090**

Contactless cooling time measurement **T 8/5**

Scope measurement up to **200 kHz**

## Ordering Information

| Description                                   | Part Number | GMAW/GTAW/<br>SMAW | SAW             | Resistance<br>Welding |
|---|-------------|--------------------|-----------------|-----------------------|
| WeldScanner S3 Base Device                    | HKS0001433  | X                  | X               | X                     |
| Connecting Cable For HKS Sensors 5 m          | HKS0001430  | X                  | X               | X                     |
| HKS Process Sensor P1000-S3 (GMAW/GTAW/SMAW)  | HKS0001423  | X                  |                 |                       |
| HKS Gas Sensor GM30L10B-S3 (GMAW/GTAW)        | HKS0001425  | GMAW/GTAW          |                 |                       |
| HKS Wire Sensor DV25M-S3 (GMAW/GTAW)          | HKS0001428  | GMAW/GTAW          |                 |                       |
| HKS Process Sensor P1500-S3 (SAW)             | HKS0001424  |                    | X               |                       |
| HKS Wire Sensor DV25UP-S3 (SAW)               | HKS0001816  |                    | X               |                       |
| HKS Process Sensor P100K (Resistance Welding) | HKS0001464  |                    |                 | X                     |
| Plug Adapter For Welding Voltage              | HKS0000322  | X                  |                 |                       |
| Add-on WeldScanner Cooling Time Measurement   | HKS0000908  | <i>Optional</i>    |                 |                       |
| WeldScanner Robust Case Type 2                | HKS0002275  | <i>Optional</i>    | <i>Optional</i> | <i>Optional</i>       |



ESAB / esab.com

