

# Brief manual WeldScanner-S3



## Connection

**1**

Put the welding cable through the opening of the process sensor

**2**

Connection of the welding voltage over the enclosed adapters to the sockets of the current source and the red measuring cables with the process sensor

**3**

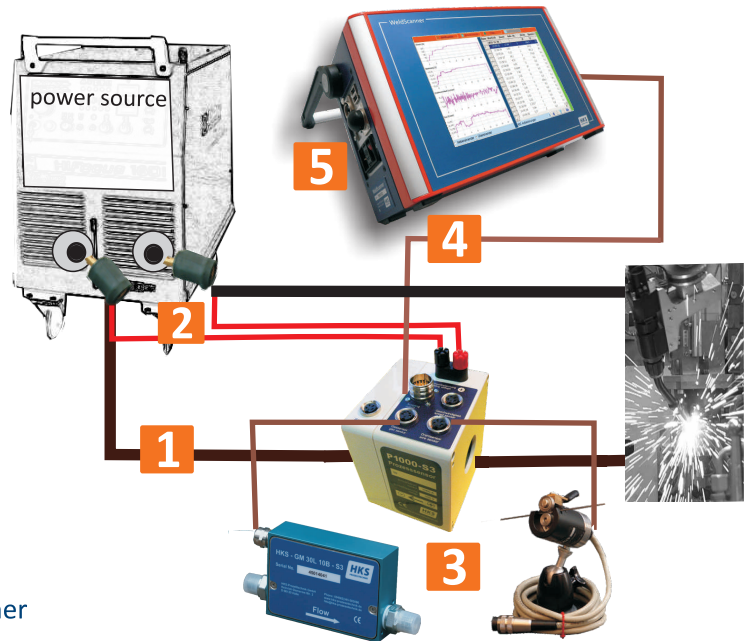
*Optional:* Attach wire and gas sensor, notice the direction of the gas flow.

**4**

Attach the process sensor and the WeldScanner with the interface cable

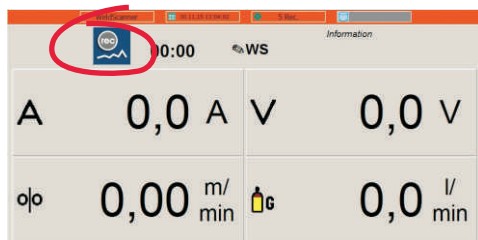
**5**

Attach the WeldScanner to the power supply and switch the device on. The data recording can start in a minute. The start of the welding process is recognized automatically.



## Operation (touch)

### start screen

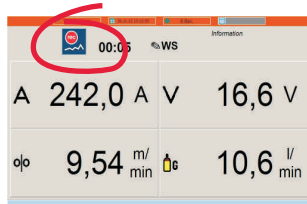


Instantly ready to record



You can go from each screen to the main board by pulling the headline down; by pulling up the baseline the keyboard appears.

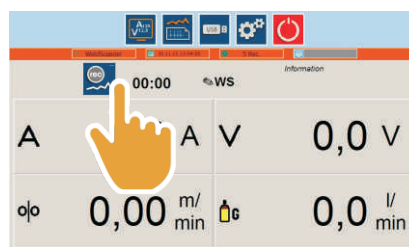
### automatically start:



the recording starts automatically with weld, record-button is red.



### alternativ hand start/stop:

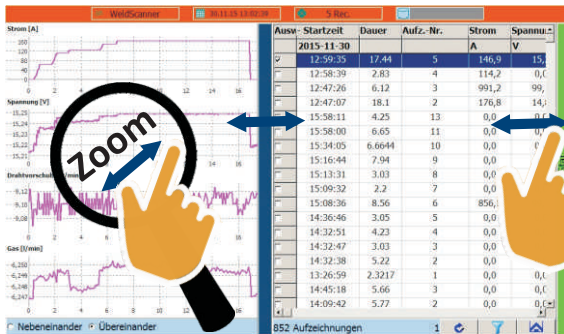


recording starts and ends by manual press of the record button



**An automatically started seam can not be stopped manually.**

## Evaluation



On the right, the measuring values are listed in a table after mark of a weld the corresponding graphic appears on the left.

The two longitudinal bars are movable.

### Statistic

If the right green bar is moved to the left, the daily statistics appears.

## Data export to the PC



Install the program supplied on CD on your PC. The data export from the WeldScanner to your PC is carried out via USB stick. Using the supplied software, the data can be imported to the PC, as well as evaluated and printed.

## Adjustment



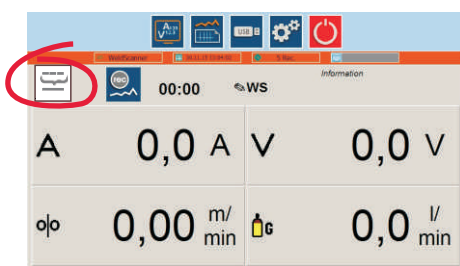
Active	Channel	Sensor	Frequency
<input checked="" type="checkbox"/>	Current	P1000_S3_0	25
<input checked="" type="checkbox"/>	Voltage	P1000_S3_1	25
<input checked="" type="checkbox"/>	Wire	DM25_S3_1	10
<input checked="" type="checkbox"/>	Gas flow	GM30L_S3_0	10
<input checked="" type="checkbox"/>	Temperature	TEMP_4X_S3_0	10
<input checked="" type="checkbox"/>	Length	---	---
<input checked="" type="checkbox"/>	Input Energy	---	---
<input checked="" type="checkbox"/>	Time T8/5	---	---

- Choice of **technology** and the **measurement channels**.
- **Combine seams**: mark with a cross (function see below)
- **Pre- and post trigger**: when touching the input field a numeric keypad opens to enter the values
- **Energy input per unit length**: after activating in the measuring screen the field with seam length (mm) and a pen symbol appears. This opens up a keyboard, so you can enter the seam length to calculate the energy per section.
- **Import** (button at the bottom) from the first install of new sensor files

All settings are confirmed with "Apply".

## sum of single records to one record- „combine seams“

**Benefit:** for interrupted welds on a seam; herewith - different records can be summarized to a „combined seam“



aktive



ready

First, the function must be activated under „Adjustments“. (see above), the white button „combine seams“ appears left in the measuring screen. With the start of the weld this is blue (operable).

By pressing the blue button all previous records will be summarized (combined seam), that means the breaks will be cutted out.

**Note:** As long as the key is active (blue) the Data are not saved. **Only when you press the blue button the data are summarized and stored.**

## Enter name of the weld



It opens a keyboard to give the seam an identification.