WeldQAS
Quality Assurance System
inline
Weld seam inspection
- Documentation
- Monitoring
- Fault Detection

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**Versions**

**Compact - version**

Standard device for the monitoring of one or two welding torches

- dimensions: 330*200*135mm (stand-alone or wall fastening)
- multi-touch-display 10.1 inch
- highest reliability by passive cooling and industry flash memory
- Ethernet, USB, HDMI or VGA (optional)
- closed operating system Windows embedded, WeldQAS software
- direct connection of the sensors (8 differential inputs with 25 kHz or 4*250 kHz, 3 counter inputs 100 kHz, TPS)
- 24 separate digital in- and outputs
- Profibus/Profinet integrable

**Cabinet versions**

System for complex sites with more than two welding torches, multiple head SAW installations, endless tube production...

- powerful passive cooled CPU with touch-display
- separable from the measuring unit up to 200m via HKS-ethernet
- industry flash memory with closed Windows embedded
- unlimited amount of measuring channels
- database server integrated.
- version available as cabinet, console, wall closet
- channel number configured by multiple measuring modules
- integration of additional modules for galvanic isolation, additional relays, central power supply 24 V
Functions

Outstanding presentation and analysis functions

- dynamic online arc analysis
- monitoring by envelopes with an automatic learning function
- representation of the production quality as a note scale with statistical analysis of trends
- tolerance bands for warnings and faults
- "not OK" - rejection faulty parts

Network function integrated

- ethernet interface allows access to every device for the data query and for the change of the inputs
- automatic data store with failure safeguarding and storage function on a central data server
- monitoring of complex production lines without number restriction

Visualisation of the production

- demonstration of the seam on each part
- extensive reporting functions
- part identification

Database report according to filter choice
We eye your welding quality

Monitoring and documentation of the welding production

Optimisation of the process and avoidance of rejects

Procedure specific dynamic real time analysis
- e.g. recognition of pores in MIG/MAG-welding and cold joints in resistance welding

Unlimited amount of additional channels
- e.g. complete visualisation of tube mills

Applicable for all welding processes
- with specific evaluations

Part identification – complete traceability

Simultaneous recording of image data and measured values

Evaluation of the process parameters conforming to standards