

e-WELD

SMART THERMIT WELDING

TARATECH
Knowledge Enterprise

The Innovative and Smart Solution For Monitoring of The Thermit Welding Process



Why Thermit welding

- ✦ Simple equipment
- ✦ Convenient operation
- ✦ Low production cost
- ✦ No upsetting process
- ✦ Good appearance of joints and short lock-up time
- ✦ Suitable for broken steel rail repair, on-site joint welding on railway frog section of seamless railway line ball and heavy transportation tasks

e-WELD

Assist the welder with controlling the welding process and monitor the performance during preheating.



Features

- Preprogrammed with all Thermit Welding process parameters
- Reliable and Accurate measurement and recording of the welding process
- Robust and compact with no moving parts
- Data can be downloaded to produce weld records and customer specific reports
- Self-Calibration



Technical Data

Specifications

Item	Main
Pressure measurement	^a >100B - +/- 0.05B
Temperature measurement	^b >80 deg C +/- 0.5 deg C
Operating voltage	12v DC
Max data storage	2,000 welds
Weight	7.8 kg (excl hoses)
Dimensions	350 x 300 x 150mm

Range accuracy (a) : Bar, p.s.i, Kpa, Range accuracy (b) : Deg C, deg F



Applications

- WiFi & Bluetooth : Welding Process Parameters
- GPS: Co-ordinates, time, date
- Barcode Reader: welding consumables (Rail information) welder information
- Temperature Sensor : Welding temperature



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