



WELDING MACHINE CALIBRATION



OSLevold
optrel

BEST PARTNER FOR INNOVATION



WELDING MACHINE CALIBRATION



Portable and standards equipment to calibrate welding machine. Validation load bank machine for all types of welding power sources



SIRIM SST welding machine calibrator is traceable to National Standards to comply with BS EN50504;2008

TYPES OF WELDING MACHINE THAT CAN BE CALIBRATED

- ✓ MIG / MAG Machines
- ✓ TIG AC/DC Machines
- ✓ Multi Process Power Sources
- ✓ MMA Stick Welding Power Sources

Validation Accuracy – Standard Grade

Analogue meter
± 2.5% of full deflection

Digital meter
± 2.5% of max rated output amps or max open circuit volts

Specifications

- Max current – 1000A
- Max peak current (5sec.) – 1100A @ 44V
- Voltage Range AC/DC – 99.9V (120V peak)
- Accuracy - ± 0.5% ± 1 digit
- Fine tuning switch (5 steps)

VALUE ADDED SERVICES

Testing Laboratory (Heat Treatment Services)
SIRIM SST laboratories are equipped with required instruments and competent staffs with over 10 years experience. SIRIM SST testing procedures and methods are adopted from international references such as ASME Code, AWS Code, BS1113, BS4570, BS5135, BS5500 and etc.

Pre Heat Treatment
Pre heat may be required as an aid to welding for one of four basic reasons;

1. Control the rate of cooling
2. Control the diffusion rate of hydrogen in a welded joint
3. Reduce thermal stresses
4. Compensation for heat loss

Post Weld Heat Treatment
Post Weld Heat Treatment (PWHT) is frequently performed to reduce residual stresses, as one of the methods of hardness control and to enhance material strength.



SIRIM SST SHAH ALAM, SELANGOR
marketingSA@sirim.my
+603 – 5510 9066

SIRIM SST PERMATANG PAUH, PULAU PINANG
marketingPG@sirim.my
+604 – 537 5700

SIRIM SST SENAI, JOHOR
marketingJB@sirim.my
+607 - 598 9066

SIRIM SST PASIR GUDANG, JOHOR
marketingPGudang@sirim.my
+607 – 255 1550

SIRIM SST KUCHING, SARAWAK
marketingKC@sirim.my
+6082 – 432 480

SIRIM SST KUANTAN, PAHANG
marketingKN@sirim.my
+609 583 4066

CONTACT US

