



**Electronics  
Devices**

Worldwide Pvt. Ltd.

Making things happen

**Sigma Weld**

Digital Welding Inverters for MMA, TIG, MIG

## SIGMA WELD AUTOMATION ACCESSORIES

### SIGMA WELD 3 PHASE ENERGY METER



#### Feature

- 6 Digit seven segment LED Display for KWH.
- 4 Digit seven segment LED Display for KW.
- R, Y & B phase current By Pressing SET/CT key.
- True RMS measurement.
- CT Ratio selection up to 3000 /5 Amp AC.

#### Front Panel

- Display 6 digit + 4 digit seven segment LED display
- Digit Height Upper Display (red) 1.42cm Lower Display (red) 0.91cm

#### Application

- Measure the amount of energy consumed by specific welding machine or fabrication unit.
- Useful for project energy cost estimation in fabrication industry.
- Measure the amount of time equipment has been use for actual welding.

### SIGMA WELD DATA MONITORING SYSTEM

Sigma weld data logger is the link between welding machine & PC. It is easy to connect to the inverter using plug & play principle. The logged data can easily monitor on remote PC. Also it transfers logged data on USB memory drive.

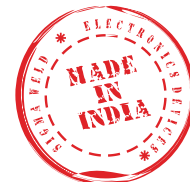


#### Specifications

- Logging Memory capacity : Up to 20 MB
- Supply Voltage : 230 V AC
- Power consumption : 5 W Max.
- Communication Port : One serial ports (RS 232/RS 422/RS485 level supported)
- Ethernet Port : for Remote monitoring.
- USB host Port : Supports USB memory drive

#### Application

Can log welding voltage, welding current, arcing time for each equipment. data can be collected and analysed in central server for resource utilization and parameter logging.



**Electronics Devices Worldwide Pvt .Ltd.**

31, Mistry Industrial Complex, Cross Road A, M.I.D.C, Andheri [E], Mumbai (400093).INDIA.

Sales – T: +91.22.26870311 to 18 | Service – T: +91.22.26870649

E: [sigmaweld@email.in](mailto:sigmaweld@email.in) | W: [www.electronicsdevices.com](http://www.electronicsdevices.com), [www.sigmaweld.com](http://www.sigmaweld.com)



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### COLD WIRE FEEDER

The cold wire TIG system feeds welding filler material at desired speed with continuous or pulsed feeding. Helps in increased productivity of welder, reduces stoppage, grinding needs and welder fatigue.



Semi automatic :  
Can be used with any  
TIG Machine for  
Manual welding.



Fully automatic :  
Can be integrated  
with any automation  
system.

Specification	
Supply Voltage	1 Ø, 230V AC 50 Hz
Weight	17kg
Filler wire spool size	12" (30.3cm)
Filler wire size	0.035"(0.9mm), 0.045"(1.1mm) , 1/16"(1.6mm)
Wire feed speed Range	0-1250cm
Feed time	Variable
Dwell time( pulsed mode)	Variable
Delay start Time	Variable
Wire retract time	Variable

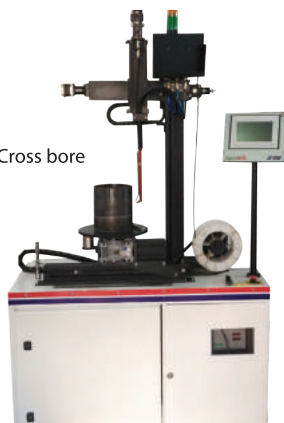
#### Benefits

- Automates adding filler metal in TIG welding.
- Dual Groove Drive Roll system accepts multiple wire size.
- Eliminates TIG rod stub loss.
- Cabinet keeps filler wire clean.
- Makes fully automatic TIG welding possible.
- Results are consistent and assures high quality welds.

### SIGMA WELD WELDING AUTOMATION

AutoTIG/MIG Welding SPM

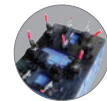
- Butt joint
- Fillet joint
- Cladding - Inner/Outer/Base/Cross bore
- Long seam
- Circular seam



Robotic Integration



Welding SPM

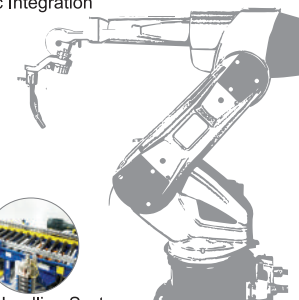


Welding Fixture



Material Handling Systems

Increase **PRODUCTIVITY**,  
Improve **QUALITY**,  
Reduce **COST**.



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