

 **ADOR WeIDoS**
Digital Solution for Welding Data





About

ADOR's WelDoS is a real-time data monitoring and analytical system connected to a central computer over Wi-Fi. This system consists of Gateway Unit and Software Application. User-friendly software application installed on central computer provides analysis and real-time data monitoring. It helps to generate statistical reports consisting of travel speed, deposition rate, heat input, and unit cost for the analysis of quality, productivity, and cost. This application software can be connected to multiple machines simultaneously.



Features

- Robust Software- Enables comprehensive analysis and custom report generation.
- Integrated with Smart GenNext Equipment- Seamlessly works with all machines which are of SMAW, GMAW and FCAW process.
- Smart Upgrade for Traditional Equipment- Easily convert your existing equipment into smart devices.
- Flexible Connectivity- Supports Wi-Fi communication.
- Unified Platform- Manage all your shop floor welding equipment from one interface.

Brief Description

Gateway Unit

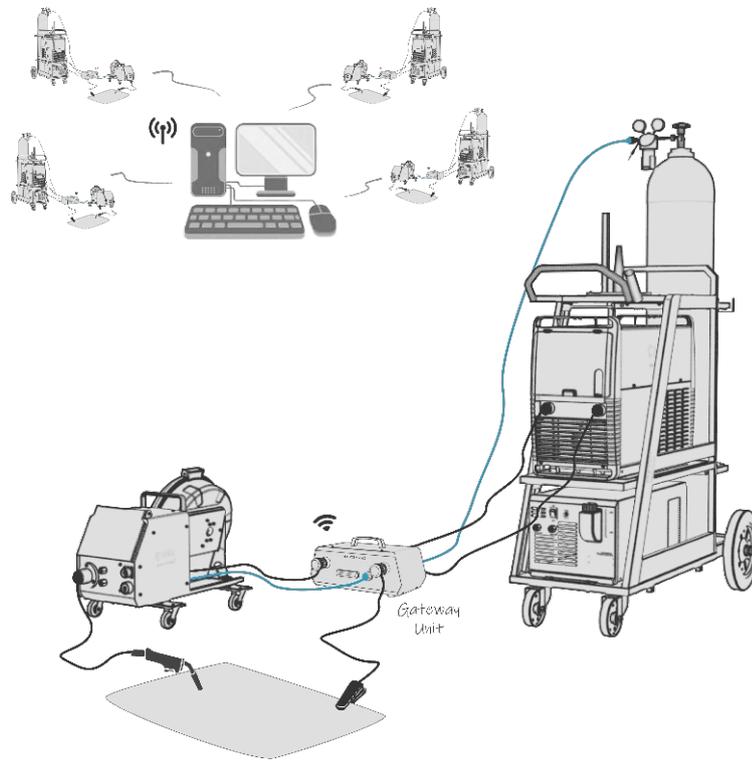
This is externally connected to the welding machine to capture real-time data such as welding voltage, current, and gas flow rate. Depending on the welding process, it is installed between the electrode holder, earthing clamp, and power source or between the wire feeder, earthing clamp, and power source respectively. The collected data is digitized and transmitted over Wi-Fi. One gateway unit is required for each welding machine to enable its operation.

Application Software

This software runs on a centralized computer and receives real-time data from the Gateway unit, including welding voltage, current, and gas flow rate over Wi-Fi. It analyzes this data based on WPS inputs or manually defined parameter ranges to assess welder skill, productivity, quality metrics like heat input and travel time, and even calculate welding costs. All captured data is securely stored and can be easily generated into insightful reports or shared for third-party inspection and compliance.



Setup

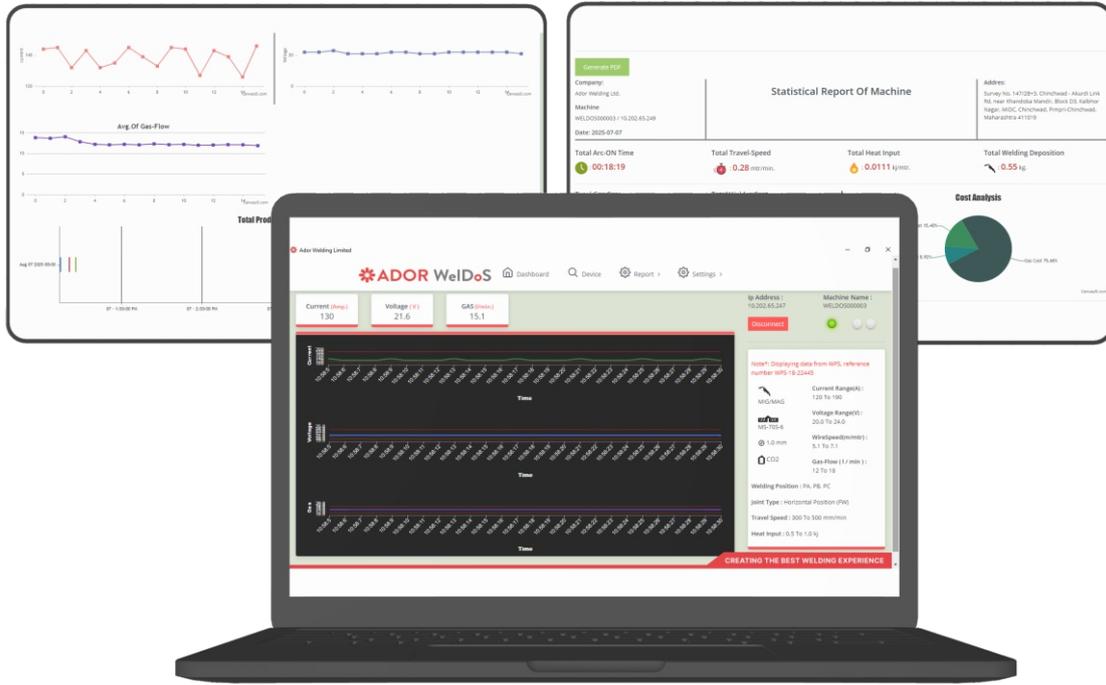


Specifications

Parameter	Value
GATEWAY UNIT	
Input Supply	240V, 1 Phase AC, 50/60 Hz
Weld Process Capability	SMAW, GMAW, FCAW
IP Rating	IP23S
Dimensions	355 x 270 x 180 mm
Weight	6.0 Kg
Wi-Fi Connectivity	
Protocol	802.11 b/g/n
Frequency	2.4 GHz
Data Rate	72.2 Mbps
Data Measurement	
Current	10 – 600 A
Voltage	10 – 45 V
Gas Flow	0 – 25 Lpm
SOFTWARE	
Data Analysis	Productivity, Quality, Cost
OS Support	Windows 10+
Export Format	XLSX, PDF, CSV



Setup



Find Your Fit

Parameter		WelDoS	WelDoS-lite
Productivity Analysis	Travel Speed	✓	✓
	Deposition Rate	✓	✓
Quality Analysis	Heat Input	✓	✓
	Alarm Indication	✓	✓
	WPS	✓	✗
Cost Analysis	Gas Cost	✓	✗
	Welder Cost	✓	✗
	Filler Cost	✓	✗

ADOR WELDING LIMITED

Dubai Showrooms, Jebel Ali Free Zone Dubai, United Arab Emirates

☎ +971 527198955 | ✉ international@adorians.com | 🌐 www.adorwelding.com