



THE LINDE GROUP

Linde



AVANTO™ smart connector.

Traceability, quality &
efficiency in every weld.

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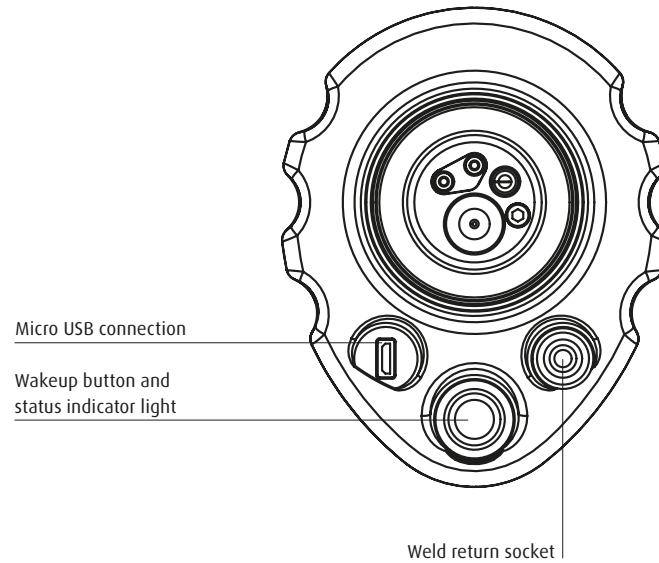
AVANTO™ smart connector

– pioneering welding management.

Bring your welding operation to the next level. AVANTO™ smart connector provides enhanced weld traceability and quality for those companies that produce high integrity welds to exacting standards, through capturing welding data as it happens.

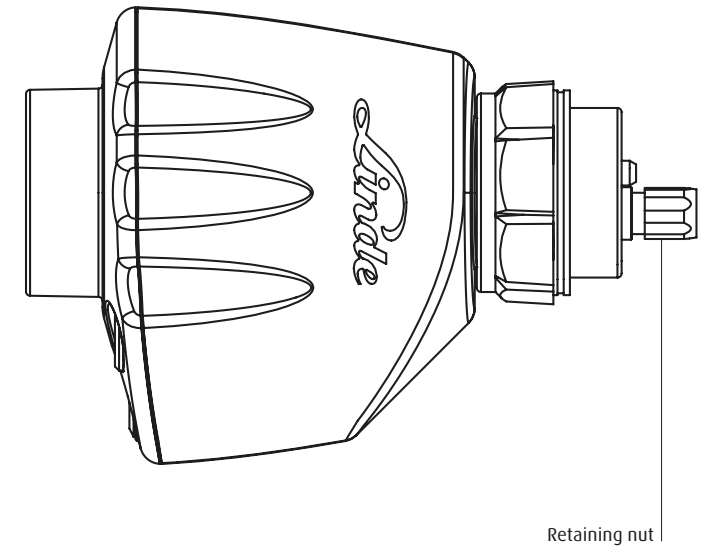
AVANTO smart connector enables real-time comparison of procedural parameters against the process steps performed by the welder.

- Capture key data such as voltage, current, wire feed speed, gas flow and heat input, and use the data to provide you and your customers with proof of compliance to standards
- Reduce rework and cost of repairs by identifying potential problems, then fix them before incurring avoidable costs
- Fine tune your operations through measuring real-time welder productivity
- Digitally store all weld data for you and your customers, safely and securely
- Digitalise your welding operation without the high upfront costs associated with purchasing digital welding machines
- Invest wisely – smart connector is compatible with the widest possible range of welding machines, making it ideal for firms with kit from multiple OEMs



How it works

AVANTO smart connector works with most MIG/MAG welding machines, attaching between the Euroconnector and the welding torch. As welding is being performed, data is collected and transmitted via Bluetooth to the AVANTO app, which can be run on any Android device. Data is sent to the AVANTO cloud using WiFi or via the mobile network. Weld data can then be stored and analysed at any time.



Technical specifications

Sensor	Range	Unit	Accuracy	Sampling Rate	Notes
Voltage	0 to ±100	V	1 % FSD	10 kHz	
Current	0 to ±800	A	1 % FSD	10 kHz	
Gas Flow	0 to 40	l/min	5 % RDG	10 Hz	
			(4 to 40 lpm)		0.8 mm
Wire Speed	0 to 20	m/min	5 % RDG	10 Hz	- 1.6 mm diameter
Temperature	-10 to +40	°C	2 % RDG	1 Hz	

→ IP rating 64 (IEC 60529)

To find out more about AVANTO and the AVANTO smart connector, visit www.linde-avanto.com where you can also book a demonstration to see AVANTO in action.