



NEW INNOVATION

ULTRA WELD 2-WIRE RANGE

2-Wire Weld-Immune sensor coated with ACTIVSTONE®

KEY ADVANTAGES

- **Superior impact protection:**
Stainless-steel housing combined with the robust and high-strength ActivShield ceramic face ensures maximum durability in demanding environments.
- **Extreme Weld-Spatter resistance:**
ACTIVSTONE® ceramic coating withstands molten metal and weld spatter, extending sensor lifespan.
- **Exceptional abrasion resistance:**
Non-stick ACTIVSTONE® coating allows for easy cleaning and maintenance, reducing downtime.
- **Flexible installation:**
10 to 65 VDC 2-wire configuration enables easy integration and provides a high switching frequency for fast, reliable operation.
- **Extended operating distance:**
Reduces the risk of mechanical damage, ensuring stable performance even in challenging setups.
- **Fully sealed IP67 housing:**
Provides complete protection against dust and water ingress, suitable for harsh industrial conditions.

Available
housing sizes



M12

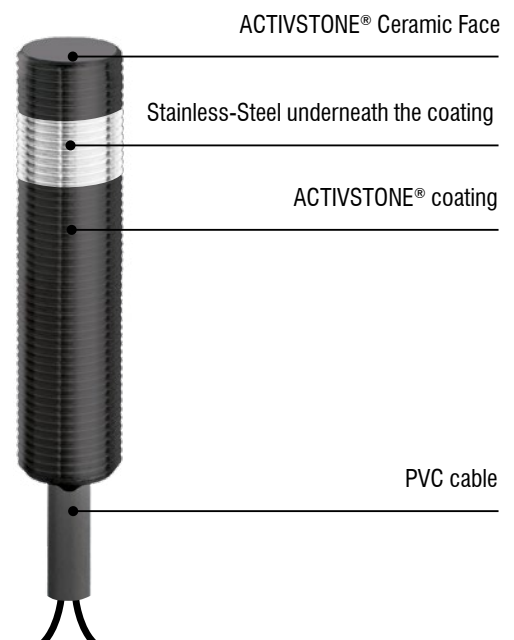


M18



M30

Suitable for harsh welding environments





ULTRA WELD GENERAL RANGE OVERVIEW

 GENERIC INFO Switching frequency = 15Hz Full Stainless Steel V2A			Part Reference	Housing Size	
ULTRA WELD RANGE COATED FULL INOX HOUSING + DOUBLE OPERATING DISTANCE 			DW-AS-703-M8-693	M8	
			DW-AS-703-M8-697	M8	
			DW-AS-701-M8-693	M8	
			DW-AS-701-M8-697	M8	
			DW-AV-703-M8-693	M8	
			DW-AV-701-M8-693	M8	
			DW-AD-703-M8-693 NEW	M8	
			DW-AD-701-M8-693 NEW	M8	
			DW-AS-703-M12-693	M12	
			DW-AS-701-M12-693	M12	
			DW-AV-703-M12-693	M12	
			DW-AV-701-M12-693	M12	
			DW-AD-703-M12-693 NEW	M12	
			DW-AD-701-M12-693 NEW	M12	
			DW-AS-703-M18-693	M18	
			DW-AS-701-M18-693	M18	
			DW-AV-703-M18-693	M18	
			DW-AV-701-M18-693	M18	
			DW-AD-703-M18-693 NEW	M18	
			DW-AD-701-M18-693 NEW	M18	
			DW-AS-703-M30-693	M30	
			DW-AS-713-M30-693	M30	
			DW-AS-701-M30-693	M30	
			DW-AV-703-M30-693	M30	
			DW-AV-701-M30-693	M30	
			DW-AD-703-M30-693 NEW	M30	
			DW-AD-701-M30-693 NEW	M30	
			DW-AV-703-C23-693	C23	
			DW-AV-701-C23-693	C23	
			DW-AD-703-C23-693 NEW	C23	
			DW-AD-701-C23-693 NEW	C23	



ULTRA WELD 2-WIRE RANGE OVERVIEW



GENERIC INFO
Switching frequency = 15Hz
Full Stainless Steel V2A

ULTRA WELD 2-WIRE RANGE

CERAMIC FACE + COATED 2-WIRE



Part Reference	DW-DD-625-M12-1533 NEW With ceramic face	DW-DD-625-M18-1533 NEW With ceramic face	DW-DD-605-M30-1533 NEW With ceramic face
Housing Size	M12	M18	M30
Housing Length (mm)	50	50	50
Operating Distance (mm)	4	8	10
Output	Normally open	Normally open	Normally open
Connection Type	Cable 2-wire	Cable 2-wire	Cable 2-wire

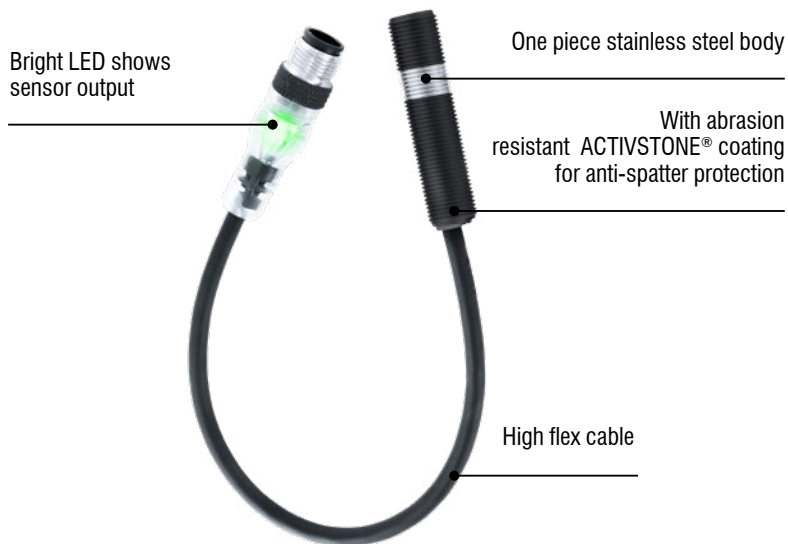
ULTRA WELD RANGE

The industry's most reliable and durable inductive sensors for harsh welding applications with ACTIVSTONE®.

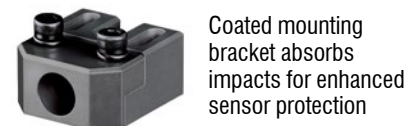


MAKE YOUR WELDING APPLICATION INDESTRUCTIBLE

PIGTAIL VERSION



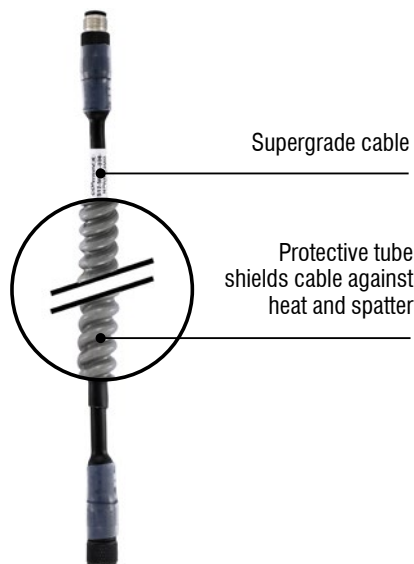
+ Add accessories



CONNECTOR VERSION



+ Add supergrade cable (Protective tube included)



+ Add accessories

Coated mounting bracket absorbs impacts for enhanced sensor protection





ACCESSORIES OVERVIEW

WELD-IMMUNE MOUNTING BRACKETS

Mounting brackets with **ACTIVSTONE® coating** are engineered to resist the accumulation of weld spatter, reducing the need for frequent cleaning and maintenance. A dedicated range of **stainless-steel brackets** provides exceptional mechanical and chemical resistance, making them ideal for tough industrial environments.

The latest products include **C44 form factor brackets**, versions for a wide range of sensor sizes, as well as

short and long designs with adaptor functionality. These adaptor-style brackets allow sensors from **M8–M30** to be inserted into housings with **M12 or M18 exteriors**, offering maximum flexibility without requiring sensor size changes to match mounting conditions. In addition, **cylindrical coated brackets** feature a built-in limit stop, ensuring simple sensor replacement without the need to readjust distances after installation.

		Part Reference	Material	Dimensions (mm)	Compatible with					
					Sensor Size				Classics 600 Series	Full Inox 700 Series
					M8	M12	M18	M30		
COATED WELD-IMMUNE MOUNTING BRACKETS		ASU-3141-120	Steel	L = 48.50 W = 19.40 H = 14.00	✓				✓	✓
		ASU-3041-120	Steel	L = 32.00 W = 19.40 H = 14.00	✓				✓	✓
		ASU-3041-180	Steel	L = 40.00 W = 24.00 H = 18.00		✓			✓	✓
		ASU-0061-300	Base: Steel Nose: Nylon	L = 67.60 W = 46.00 H = 40.00				✓	✓	✓
		ASU-0041-80	Steel	L = 35.00 W = 28.60 H = 12.70	✓				✓	✓
		ASU-0041-120	Steel	L = 38.1 W = 34.9 H = 19.05		✓			✓	✓
		ASU-0041-180	Steel	L = 38.1 W = 38.1 H = 25.4			✓		✓	✓
		ASU-0041-300	Steel	L = 44.45 W = 59.94 H = 38.1				✓	✓	✓
		ASU-0051-300	Stainless steel	L = 21 W = 60 H = 36.85				✓	✓	✓
		ASU-3052-080	Stainless steel	SW17 L = 32.4	✓					✓
		ASU-3052-120	Stainless steel	SW22 L = 33.8		✓				✓
		ASU-3052-180	Stainless steel	SW30 L = 33.8			✓			✓

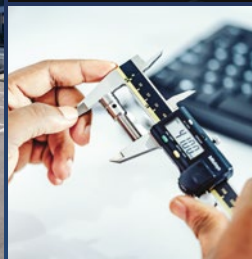
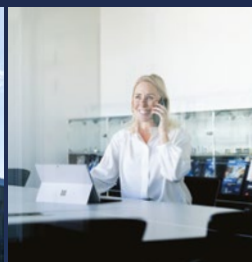


ACCESSORIES OVERVIEW

HIGHEST PROTECTION IN WELDING APPLICATIONS

- Direct retrofit for existing mounts
- Faceted face for closer part placement
- Superior clamping force
- Absorbs impacts for enhanced sensor protection
- Greater resistance to spatter adhesion
- Cutaway channel to view sensor LED





WHY CHOOSE US

- Technology leader for sensors and systems in the most challenging operating conditions
- Partner to the welding industry for over 20 years
- Building industrial experience since 1972
- Widest **IO-Link** portfolio – ready for Industry 4.0 since 2009
- Most reliable sensors on the market with best temperature compensation and highest quality materials
- Technical mastery of key elements – with our own ASIC development
- Global sales network with solution-oriented application support
- Impeccable Swiss quality for our products and systems

WHAT WE OFFER

- 5 production sites for fast, worldwide availability
- 3 logistic hubs for rapid delivery – even for special products
- International Customer Services
- Long-standing experience in product customization and brand labelling
- Vigorous lab testing, pre-shipment inspections and compliance with international and market standards

KEY DATES

- | | |
|-------------|---|
| 1999 | Inductive sensors with world's most robust full-metal housing, thanks to Condet® technology |
| 2013 | Contrinex suppression-circuit technology for inductive sensors in welding applications |
| 2019 | Weld-spatter-resistant coating for sensors and accessories |

Terms of delivery and right to change design reserved.

HEADQUARTERS

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