

HTM MetalHead Sensors

SpatterGuard and Weld Immune Sensors available from Production Resources

HTM Sensors has the widest range of stainless steel faced proximity sensors on the market for harsh environments.

For the same price as some competitors' plastic faced sensors, upgrade to an HTM Sensors MetalHead for more durability.

These sensors feature a Lifetime Warranty, CSA approvals, 4-view LED's, and these sensors are typically available from inventory.



MetalHead™ Inductive DC Proximity Sensors

SELECTION GUIDE

Quick Connect				
Barrel Size	M8	M12	M18	M30
				
Part Number - click on part number for more information or to purchase				
Standard Range	1mm	2mm	5mm	10mm
NPN, Normally Open	FCS1-0801N-ARU4	FCS1-1202N-ARU4	FCS1-1805N-ARU4	FCS1-3010N-ARU4
PNP, Normally Open	FCS1-0801P-ARU4	FCS1-1202P-ARU4	FCS1-1805P-ARU4	FCS1-3010P-ARU4




Extended Range	2mm	4mm	8mm	15mm
NPN, Normally Open	ECS1-0802N-ARU4	ECS1-1204N-ARU4	ECS1-1808N-ARU4	ECS1-3015N-ARU4
PNP, Normally Open	ECS1-0802P-ARU4	ECS1-1204P-ARU4	ECS1-1808P-ARU4	ECS1-3015P-ARU4

Sensor Part Number	Price	Straight Mating Cable		Angled Mating Cable	
		Price		Price	
FCS1-0801P-ARU4	\$ 64.00	R-FS4TZ-V075	\$9.00	R-FA4TZ-V075	\$ 9.00
FCS1-1202P-ARU4	\$ 51.00	R-FS4TZ-V075	\$9.00	R-FA4TZ-V075	\$ 9.00
FCS1-1805P-ARU4	\$ 67.00	R-FS4TZ-V075	\$9.00	R-FA4TZ-V075	\$ 9.00
FCS1-3010P-ARU4	\$ 89.00	R-FS4TZ-V075	\$9.00	R-FA4TZ-V075	\$ 9.00
FCS1-0801N-ARU4	\$ 64.00	R-FS4TZ-V075	\$9.00	R-FA4TZ-V075	\$ 9.00
FCS1-1202N-ARU4	\$ 51.00	R-FS4TZ-V075	\$9.00	R-FA4TZ-V075	\$ 9.00
FCS1-1805N-ARU4	\$ 67.00	R-FS4TZ-V075	\$9.00	R-FA4TZ-V075	\$ 9.00
FCS1-3010N-ARU4	\$ 89.00	R-FS4TZ-V075	\$9.00	R-FA4TZ-V075	\$ 9.00
ECS1-0802P-ARU4	\$ 75.00	R-FS4TZ-V075	\$9.00	R-FA4TZ-V075	\$ 9.00
ECS1-1204P-ARU4	\$ 61.00	R-FS4TZ-V075	\$9.00	R-FA4TZ-V075	\$ 9.00
ECS1-1808P-ARU4	\$ 76.00	R-FS4TZ-V075	\$9.00	R-FA4TZ-V075	\$ 9.00
ECS1-3015P-ARU4	\$ 94.00	R-FS4TZ-V075	\$9.00	R-FA4TZ-V075	\$ 9.00
ECS1-0802N-ARU4	\$ 75.00	R-FS4TZ-V075	\$9.00	R-FA4TZ-V075	\$ 9.00
ECS1-1204N-ARU4	\$ 61.00	R-FS4TZ-V075	\$9.00	R-FA4TZ-V075	\$ 9.00
ECS1-1808N-ARU4	\$ 76.00	R-FS4TZ-V075	\$9.00	R-FA4TZ-V075	\$ 9.00
ECS1-3015N-ARU4	\$ 94.00	R-FS4TZ-V075	\$9.00	R-FA4TZ-V075	\$ 9.00

Highlighted models are 3-4 week delivery. Others are stock

AC/DC Inductive Proximity Sensors

SELECTION GUIDE

Quick Connect			
Barrel Size	M12	M18	M30
			
Part Number - click on part number for more information or to purchase			
Standard Range	2mm	5mm	10mm
Normally Open	FCS1-1202U-AUU3	FCS1-1805U-AUU3	FCS1-3010U-AUU3
Normally Closed	FCS1-1202U-BUU3	FCS1-1805U-BUU3	FCS1-3010U-BUU3
Extended Range	4mm	8mm	15mm
Normally Open	ECS1-1204U-AUU3	ECS1-1808U-AUU3	ECS1-3015U-AUU3
Normally Closed	ECS1-1204U-BUU3	ECS1-1808U-BUU3	ECS1-3015U-BUU3

Sensor Part #	Price	Straight Mating Cable	Price	Right Angle Mating Cable	Price
FCS1-1202U-AUU3	\$ 74.00	U-FS3TA-V315	\$9.00	U-FA3TA-V315	\$9.00
FCS1-1805U-AUU3	\$ 76.00	U-FS3TA-V315	\$9.00	U-FA3TA-V315	\$9.00
FCS1-3010U-AUU3	\$ 91.00	U-FS3TA-V315	\$9.00	U-FA3TA-V315	\$9.00
FCS1-1202U-BUU3	\$ 74.00	U-FS3TA-V315	\$9.00	U-FA3TA-V315	\$9.00
FCS1-1805U-BUU3	\$ 87.00	U-FS3TA-V315	\$9.00	U-FA3TA-V315	\$9.00
FCS1-3010U-BUU3	\$ 88.00	U-FS3TA-V315	\$9.00	U-FA3TA-V315	\$9.00
ECS1-1204U-AUU3	not avail	U-FS3TA-V315	\$9.00	U-FA3TA-V315	\$9.00
ECS1-1808U-AUU3	\$ 94.00	U-FS3TA-V315	\$9.00	U-FA3TA-V315	\$9.00
ECS1-3015U-AUU3	\$ 98.00	U-FS3TA-V315	\$9.00	U-FA3TA-V315	\$9.00
ECS1-1204U-BUU3	not avail	U-FS3TA-V315	\$9.00	U-FA3TA-V315	\$9.00
ECS1-1808U-BUU3	\$ 107.00	U-FS3TA-V315	\$9.00	U-FA3TA-V315	\$9.00
ECS1-3015U-BUU3	\$ 98.00	U-FS3TA-V315	\$9.00	U-FA3TA-V315	\$9.00

Highlighted models are 3-4 week delivery. Others are stock

SpatterGuard Weld Slag Resistant Proximity Sensors



There are numerous types of welding applications and often proximity sensors do not require weld field immunity to be successful. Very often, sensors are not placed extremely close to the weld, but do face contact, weld slag and temperature issues that often cause the sensors to fail.







HTM Sensors SpatterGuard sensors are the strongest sensors made for welding environments that do not require weld field immunity. These extended range, high temperature, one-piece stainless steel PTFE-coated MetalHeads are proven to take contact and abrasion better than any sensor available.

With the PTFE-coating, the weld slag is repelled to ensure your sensor will continue to operate where other sensors fail from slag damage. High Temperature SpatterGuard sensors are rated up to 100°C enabling them to withstand the ambient heat often involved in welding environments far better than the competition. With MetalHead technology, you know this sensor will last longer than any other in the industry versus impact and abrasion issues.

The HTM Sensors Advantage:

Reduce your downtime, reduce your part costs. HTM Sensors are a significant cost reduction tool for all welding environments by enabling you to reduce the amount of instances you have to change your

sensors. The price of HTM Sensors SpatterGuard sensors are typically 25% less than competitive sensors currently being used. Increased durability and price reduction enable maximum savings!

SELECTION GUIDE			
Barrel Size	M8	M8	M8
			
Part Number - click on part number for more information or to purchase			
Extended Range	2mm	2mm	2mm
NPN, Norm. Open	ECS1-0802N-ACS3-PTFE	ECS1-0802N-ACU3-PTFE	ECS1-0802N-ARU4-PTFE
PNP, Norm. Open	ECS1-0802P-ACS3-PTFE	ECS1-0802P-ACU3-PTFE	ECS1-0802P-ARU4-PTFE
Barrel Size	M12	M18	M30
			
Part Number - click on part number for more information or to purchase			
Extended Range	4mm	8mm	15mm
NPN, Norm. Open	ECS1-1204N-ARU4-PTFE	ECS1-1808N-ARU4-PTFE	ECS1-3015N-ARU4-PTFE
PNP, Norm. Open	ECS1-1204P-ARU4-PTFE	ECS1-1808P-ARU4-PTFE	ECS1-3015P-ARU4-PTFE

**SpatterGuard Sensor & cable pricing.
Most sensors available from stock**

Sensor Part	Price	Straight Mating Cable	Price	Angled Mating Cable	Price
ECS1-0802P-ACS3-PTFE-100C	\$75.00	C-FS3TZ-V075	\$8.00	C-FA3TZ-V075	\$9.00
ECS1-0802P-ACU3-PTFE-100C	\$75.00	C-FS3TZ-V075	\$8.00	C-FA3TZ-V075	\$9.00
ECS1-0802P-ARU4-PTFE-100C	\$70.00	R-FS4TZ-V075	\$9.00	R-FA4TZ-V075	\$9.00
ECS1-1204P-ARU4-PTFE-100C	\$70.00	R-FS4TZ-V075	\$9.00	R-FA4TZ-V075	\$9.00
ECS1-1808P-ARU4-PTFE-100C	\$75.00	R-FS4TZ-V075	\$9.00	R-FA4TZ-V075	\$9.00
ECS1-0802N-ACS3-PTFE	\$73.00	C-FS3TZ-V075	\$8.00	C-FA3TZ-V075	\$9.00

ECS1-0802N-ACU3-PTFE-100C	\$73.00	C-FS3TZ-V075	\$8.00	C-FA3TZ-V075	\$9.00
ECS1-0802N-ARU4-PTFE-100C	\$70.00	R-FS4TZ-V075	\$9.00	R-FA4TZ-V075	\$9.00
ECS1-1204N-ARU4-PTFE-100C	\$70.00	R-FS4TZ-V075	\$9.00	R-FA4TZ-V075	\$9.00
ECS1-1808N-ARU4-PTFE-100C	\$70.00	R-FS4TZ-V075	\$9.00	R-FA4TZ-V075	\$9.00

-100C indicates sensors rated to 100 degrees

AC sensors have pico connectors – all others have micro connectors

Weld Immune Proximity Sensors

HTM Sensors has a weld field lineup that will ensure you have the products you need. 8mm, 12mm, 18mm and 30mm sensors, Weld Field Immune, PTFE-coated stainless barrels with a PTFE-face. HTM Sensors are able to withstand weld fields up to 160mT, which is the same rating as 20,000 amps at a 1-inch range. This is the industry standard for Weld Field Immune Sensors and will make sure you can operate at a lower cost than if you are currently paying excessive cost from your current supplier.

The HTM Advantage:

The big advantage to you here for us is the cost. An M12, PNP, quick connect sensor, costs just \$45.00 from us. This will be about 25-30% less than the AB and Turck.



SELECTION GUIDE				
Barrel Size	M8	M12	M18	M30
Sensing Range	1mm	2mm	5mm	10mm
				
Part Number - click on part number for more information or to purchase				
NPN, Normally Open	WCM1-0801N-ARU4	WCM1-1202N-ARU4	WCM1-1805N-ARU4	WCM1-3010N-ARU4
PNP, Normally Open	WCM1-0801P-ARU4	WCM1-1202P-ARU4	WCM1-1805P-ARU4	WCM1-3010P-ARU4

WCM1-0801N-ARU4*	\$ 60.00	R-FS4TZ-V075	\$9.00	R-FA4TZ-V075	\$9.00
WCM1-0801P-ARU4	\$ 60.00	R-FS4TZ-V075	\$9.00	R-FA4TZ-V075	\$9.00
WCM1-1202N-ARU4*	\$ 45.00	R-FS4TZ-V075	\$9.00	R-FA4TZ-V075	\$9.00
WCM1-1202P-ARU4	\$ 45.00	R-FS4TZ-V075	\$9.00	R-FA4TZ-V075	\$9.00
WCM1-1805N-ARU4*	\$ 56.00	R-FS4TZ-V075	\$9.00	R-FA4TZ-V075	\$9.00
WCM1-1805P-ARU4	\$ 56.00	R-FS4TZ-V075	\$9.00	R-FA4TZ-V075	\$9.00
WCM1-3010N-ARU4*	\$ 97.00	R-FS4TZ-V075	\$9.00	R-FA4TZ-V075	\$9.00
WCM1-3010P-ARU4	\$ 97.00	R-FS4TZ-V075	\$9.00	R-FA4TZ-V075	\$9.00

Highlighted sensors are 3-4 week delivery. Others are stock.

Call PRI at 800-863-3164, or e-mail
Becky@pri-mailbox.com to order