

NCR-86 Before ordering, validate your selections with a sales rep, as not all options are offered for every configuration.

Model Type		NCR-86 Non-Contact Radar	
NR86.2SW			
Mounting			
XX		XX	No Mounting
AL		AL	Adapter flange 4" 150lb FF, ASME / PP-GF30
AM		AM	Adapter flange 6" 150lb FF, ASME / PP-GF30
AO		AO	Adapter flange 8" 150lb FF, ASME / PP-GF30
AU		AU	Adapter flange 3" 150lb FF, ASME / PP-GF30
CA		CA	Clamp 2" PN16 (ø64mm) DIN32676, SS
CB		CB	Clamp 3" PN10 (ø91mm) DIN32676, SS
GI		GI	Flange 2" 150lb RF, ASME B16.5 / 316/316L
GJ		GJ	Flange 2" 300lb RF, ASME B16.5 / 316/316L
GK		GK	Flange 2-1/2" 300lb RF, ASME B16.5 / 316/316L
GM		GM	Flange 3" 150lb RF, ASME B16.5 / 316/316L
GN		GN	Flange 3" 300lb RF, ASME B16.5 / 316/316L
GP		GP	Flange 4" 150lb RF, ASME B16.5 / 316/316L
GQ		GQ	Flange 4" 300lb RF, ASME B16.5 / 316/316L
GR		GR	Flange 4" 600lb RF, ASME B16.5 / 316/316L
GS		GS	Flange 5" 150lb RF, ASME B16.5 / 316/316L
GT		GT	Flange 5" 300lb RF, ASME B16.5 / 316/316L
GU		GU	Flange 6" 150lb RF, ASME B16.5 / 316/316L
GV		GV	Flange 6" 300lb RF, ASME B16.5 / 316/316L
GW		GW	Flange 8" 150lb RF, ASME B16.5 / 316/316L
GY		GY	Flange 8" 300lb RF, ASME B16.5 / 316/316L
XJ		XJ	Thread AMSE B1.20.1 0.75" NPT PN40, 316/316L
XK		XK	Thread AMSE B1.20.1 1.0" NPT PN40, 316/316L
XB		XB	Thread AMSE B1.20.1 1.5" NPT PN40, 316/316L
TD		TD	Thread AMSE B1.20.1 2.0" NPT PN40, 316/316L
XC		XC	Mounting strap, length: 6.7 inches (170mm)
XD		XD	Mounting strap, length: 11.8 inches (300 mm)
SD		SD	Swiveling holder with flange 4" 150lb / 316 / 316L
SE		SE	Swiveling holder with flange 6" 150lb / 316 / 316L
SF		SF	Swiveling holder with flange 8" 150lb / 316 / 316L
Version			
B		B	Plastic horn antenna
F		F	Flanged with encapsulated antenna
H		H	Hygienic fitting with encapsulated antenna
T		T	Threaded with integrated horn antenna
C		C	With lens antenna
Add Equipment			
X		X	None
K		K	With rinsing connection (required with SD, SE, SF flanges)
Seal			
AA		AA	FKM (SHS FPM 70C3 GLT) Temp -40°F to +266°F
AB		AB	FKM (SHS FPM 70C3 GLT) Temp -40°F to +392°F
AF		AF	PEEK / FFKM (Kalrez 6375) / -4°F to +482°F (250°C)
AT		AT	PP/PP / Temp: -40°F to +176°F (80°C)
AU		AU	FKM (SHS FPM 70C3 GLT) Temp -40°F to +176°F
AV		AV	EPDM (COG AP310) Temp -40°F to +176°F (80°C)
AW		AW	PTFE / PTFE / Temp -40°F to +302°F (150°C)
AX		AX	PTFE / PTFE / Temp -40°F to +392°F (200°C)
AJ		AJ	PEEK / FFKM (Perlast G74S) / -15...+150°C
Housing			
8		8	Stainless steel single chamber
A		A	Aluminium single chamber / IP66/IP68 (0.2bar)
K		K	Plastic single chamber / IP66/IP67
V		V	Stainless steel single chamber (Cast)
D		D	Aluminium double chamber / IP66/IP68 (0.2bar)
W		W	Stainless steel double chamber / IP66/IP68 (0.2 bar)
R		R	Plastic double chamber / IP66/IP67

NCR-86

The NCR-86 is an 80 GHz radar used for continuous, non-contact level measurement. Measure solids or liquids at distances up to 393 feet with the NCR-86 level sensor. This versatile radar level sensor has built-in 80 GHz, 26 GHz, and 6 GHz frequencies making it adaptable to material of any bulk density or specific gravity. The signal is focused in a very narrow beam angle, allowing for precise aiming to avoid obstructions in the tank such as agitators, mixers, fittings, or heating coils.

Description	CODE	Part No.
BASE UNIT		
NCR-86 Liquid and Bulk Solid Radar	NCR-86.2SW	
MOUNTING		
Mounting: XX - No Mounting	XX	
Mounting: AL - Adapter flange 4" 150lb FF, ASME / PP-GF30	AL	
Mounting: AM - Adapter flange 6" 150lb FF, ASME / PP-GF30	AM	
Mounting: AO - Adapter flange 8" 150lb FF, ASME / PP-GF30	AO	
Mounting: AU - Adapter flange 3" 150lb FF, ASME / PP-GF30	AU	
Mounting: CA - Clamp 2" PN16 (ø64mm) DIN32676, SS	CA	
Mounting: CB - Clamp 3" PN10 (ø91mm) DIN32676, SS	CB	
Mounting: CL - Clamp ASME BPE, 4" PN 125 psig (ø4.862") / 1.4435	CL	
Mounting: GI - Flange 2" 150lb RF, ASME B16.5 / 316/316L	GI	
Mounting: GJ - Flange 2" 300lb RF, ASME B16.5 / 316/316L	GJ	
Mounting: GK - Flange 2-1/2" 300lb RF, ASME B16.5 / 316/316L	GK	
Mounting: GM - Flange 3" 150lb RF, ASME B16.5 / 316/316L	GM	
Mounting: GN - Flange 3" 300lb RF, ASME B16.5 / 316/316L	GN	
Mounting: GP - Flange 4" 150lb RF, ASME B16.5 / 316/316L	GP	
Mounting: GQ - Flange 4" 300lb RF, ASME B16.5 / 316/316L	GQ	
Mounting: GR - Flange 4" 600lb RF, ASME B16.5 / 316/316L	GR	
Mounting: GS - Flange 5" 150lb RF, ASME B16.5 / 316/316L	GS	
Mounting: GT - Flange 5" 300lb RF, ASME B16.5 / 316/316L	GT	
Mounting: GU - Flange 6" 150lb RF, ASME B16.5 / 316/316L	GU	
Mounting: GV - Flange 6" 300lb RF, ASME B16.5 / 316/316L	GV	
Mounting: GW - Flange 8" 150lb RF, ASME B16.5 / 316/316L	GW	
Mounting: GY - Flange 8" 300lb RF, ASME B16.5 / 316/316L	GY	
Mounting: XJ - Thread AMSE B1.20.1 0.75" NPT PN40, 316/316L	XJ	
Mounting: XK - Thread AMSE B1.20.1 1.0" NPT PN40, 316/316L	XK	
Mounting: XB - Thread AMSE B1.20.1 1-1/2" NPT PN40, 316/316L	XB	
Mounting: TD - Thread AMSE B1.20.1 2.0" NPT PN40, 316/316L	TD	
Mounting: XC - Mounting strap, length: 6.7 inches (170mm)	XC	
Mounting: XD - Mounting strap, length: 11.8 inches (300 mm)	XD	
Mounting: SD - Swiveling holder with flange 4" 150lb / 316 / 316L (requires rinsing connection K)	SD	
Mounting: SE - Swiveling holder with flange 6" 150lb / 316 / 316L (requires rinsing connection K)	SE	
Mounting: SF - Swiveling holder with flange 8" 150lb / 316 / 316L (requires rinsing connection K)	SF	
Mounting: SQ - Swiveling holder with flange 4" 300lb / 316 / 316L	SQ	

Description	CODE	Part No.
VERSION		
Version: B - Plastic horn antenna	B	
Version: F - Flanged with encapsulated antenna	F	
Version: H - Hygienic fitting with encapsulated antenna	H	
Version: C- With lens antenna	C	
Version: T - Threaded with integrated horn antenna	T	
ADD EQUIP		
Ad Equip: X - None	X	
Ad Equip: K - With rinsing connection (required with SD, SE, SF flanges)	K	
SEAL		
Seal: AA - FKM (SHS FPM 70C3 GLT) Temp -40°F to +266°F	AA	
Seal: AF - PEEK / FFKM (Kalrez 6375) / -4°F to +482°F (250°C)	AF	
Seal: AJ - PEEK/FFKM (Perlast G74S)/-15...+150°C	AJ	
Seal: AB - FKM (SHS FPM 70C3 GLT) Temp -40°F to +392°F	AB	
Seal: AT - PP/PP/Temp: 40°F to 176°F (80°C)	AT	
Seal: AU- FKM (SHS FPM 70C3 GLT) Temperature: -40°F to +176°F	AU	
Seal: AV - EPDM (COG AP210) Temperature -40°F to +176°F (80°C)	AV	
Seal: AW - PTFE/PTFE/Temperature -40°F to +3-2°F (150°C)	AW	
Seal: AX - PTFE/PTFE/Temperature -40°F to +392°F (200°C)	AX	
HOUSING		
Housing: 8 - Stainless steel single chamber	8	
Housing: A - Aluminium single chamber / IP66/IP68 (0.2bar)	A	
Housing: K - Plastic single chamber /IP66/IP67	K	
Housing: V - Stainless steel chamber (Cast)	V	
Housing: D - Aluminum double chamber/IP66/IP68 (0.2bar)	D	
Housing: W - Stainless steel double chamber / IP66/IP68 (0.2bar)	W	
Housing: R - Plastic double chamber / IP66/IP67	R	
CONNECTION		
Connection: N - Two ½" NPT / blind plug in one opening	N	
Connection: M - M210x1.5/cable gland PA Black (5-9mm)	M	
Connection: Q - Two ½" NPT / without plug in either opening	Q	
DISPLAY		
Display: X - Without inspection window or BinDisc	X	
Display: A - Bindisc top mounted with display window	A	
Display: F - Top mounted w/o Bindisc with inspection window	F	
Display: K - Bindisc top mounted with display window & bluetooth	K	
OUTPUT		
Output: H - Two wire 4-20mA / HART®; 12-35V DC	H	
Output: B - Four wire 4-20mA / HART®; 90-253V AC (Dual Chamber)	B	
Output: I - Four wire 4-20mA / HART®; 9-48 DC (Dual Chamber)	I	
Output: P - Two wire Profibus PA	P	

Description	CODE	Part No.
Output: W - Four wire Modbus (Dual Chamber)	W	
Output: Y - Two-wire PROFINET, Modbus TCP, OPC UA (Ethernet-APL)	Y	
Output: X - Two-wire EtherNet/IP, Modbus TCP, OPC UA (Ethernet-APL)	X	
APPROVALS		
Approvals: CE - CSA (XP) Class I, Div 1, Groups A, B, C, D	CE	
Approvals: CJ - (XP) Class I, Div 1, Groups A, B, C, D, (DIP) CII D1, Groups E, F, G	CJ	
Approvals: CR - CSA (DIP) Class II, DIV 1 Groups E, F, G	CR	
Approvals: AX - Designed for non -EX environment	AX	
Approvals: AE - ATEX/UKEX (XP) Zone 0/1, 1	AE	
Approvals: AJ - ATEX/UKEX (XP) Zone 0/1, 1 + (DIP) Zone 20, 20/21, 21	AJ	
Approvals: AR - ATEX/UKEX (DIP) Zone 20, 20/21, 21	AR	
Approvals: IE - IEC (XP) Zone 0/1, 1	IE	
Approvals: IR - IEC (DIP) Zone 20, 20/21, 21	IR	
Approvals: IJ - IEC (XP) Zone 0/1, 1+ (DIP) Zone 20, 20/21, 21	IJ	
MOUNTING PLATES		
Self-aligning carbon steel flange with 1-1/2" Nylon ball and socket flange provides vertical connection for tanks with a radius dome or angled roof top, provides easy aiming flexibility. Based on a 7" bolt pattern.		416-0720
0° mounting plate with 4" ANSI flange finished in a gray powder-coat, includes gasket and bolts.		730-0747
0° mounting plate to use with swivel mount		416-0722
5° mounting plate with 4" ANSI flange finished in a gray powder-coat, includes gasket and bolts.		730-0795
1.5° swivel mount assembly		730-0767
10° mounting plate with 4" ANSI flange finished in a gray powder-coat, includes gasket and bolts.		730-0756
30° mounting plate with 4" ANSI flange finished in a gray powder-coat, includes gasket and bolts.		730-0748
45° mounting plate with 4" ANSI flange finished in a gray powder-coat, includes gasket and bolts.		730-0776
SmartBob to NCR flange with bolts and gasket		730-0798
Welded 6" long spool piece w/ 4" ANSI flange		730-0793
15" spool piece, 4" NPT flange each end		730-0785
ACCESSORIES		
WL-20 - Indoor / outdoor standard (-20°F to +140°F) wireless transceiver unit for use with non-contact radar, NEMA 4X with omni-directional antenna, selectable 115 VAC / 230 VAC, RS-485 connection terminal		730-0713
Data Cable - ft. of Allen-Bradley blue hose RS-485 data cable, 20 AWG shielded twin axial, twisted pair, low capacitance, Belden #9463 or equivalent		398-0090
BinDisc stand-alone interface enables push-button sensor setup and configuration. The BinDisc can be integrated into the sensor housing and is installed and visible under the housing cover for easy viewing. BinDisc simplifies setup and provides continuous, at-a-glance, operational status of the sensor. This handy interface aids in on-site system diagnosis.		771-0053
BinDisc, Bluetooth enabled, stand alone interface enables push-button sensor setup and configuration. The BinDisc can be integrated into the sensor housing and is installed and visible under the housing cover for easy viewing. BinDisc simplifies setup and provides continuous, at-a-glance, operational status of the sensor. This handy interface aids in on-site system diagnosis.		771-0056

Description	CODE	Part No.
CONSOLE		
C-100-R - Control console for 1 to 128 bins, wall mount console with LCD display, NEMA 4X enclosure, and 24 VDC power supply. Measurement formats can be displayed as headroom percentage, headroom height, headroom weight, product percentage, product height, and product weight. Vessel configuration and user settings are stored in non-volatile memory and will be retained during a power failure. The C-100-R has one 4-20 mA output and remote start contact to provide a traditional interface to a PLC/DCS system from 1 radar sensor. Configuration and user settings are stored in non-volatile memory and will be retained during a power failure.		730-5177
PSDC-5 Power Supply 90-264 VAC converted to 24 VDC 1 A		399-0030

SWVL-15 Before ordering, validate your selections with a sales rep, as not all options are offered for every configuration.

Model Type			
SWVL-15	.	SWVL-15 Base Unit	
↓		Flange	
		8	8" Diameter Flange
		9	9" Diameter Flange (4" ANSI Bolt Hole)
		↓	Ball
		1	M32 X 1.5 Ball
		2	1.5" NPT Ball
		↓	Extension
		XX	None
		12	12" extension, sealed with cable gland on the M32 ball with additional cable gland at top to seal wire
↓	↓	↓	↓
SWVL-15	.	8	S 12 Example Part Number

CNCR-100 Before ordering, validate your selections with a sales rep, as not all options are offered for every configuration.

Model Type														
CNCR-110	.									CNCR-110 26 ft (8 M) 4-20 mA (top cable connection)				
CNCR-120	.									CNCR-120 49 ft (15 M) 4-20 mA & Modbus (top cable connection)				
CNCR-130	.									CNCR-130 49 ft (15 M) 4-20 mA & Modbus (side cable connection)				
CNCR-190	.									CNCR-190 98 ft (30 M) 4-20 mA & Modbus (top cable connection)				
	↓	Approvals												
	↓	XX								Unclassified area, non-EX environment, general purpose FM/CSA/CE				
	↓	VH								FM/CSA/ATEX/ICEx Class I, II, III				
	↓	VB								ATEX/ICEx Zone 1, 1/2				
	↓	FB								c-FM-us/c-CSA-us; Gas, encapsulation, Zone 1, 2 (Class I Division 2) + Dust, protection by enclosure, Zone 20, 20/21, 21, 22 (Class II, III Division 1)				
	↓	FR								c-FM-us/c-CSA-us; Gas, non-incendive, Class I Division 2 + Dust-ignition proof, Class II, III Division 1				
	↓	↓	Mounting											
	↓			N						1.5" Threaded NPT				
	↓			G						1.5" Threaded straight				
	↓			M						1.0" Threaded NPT (CNCR-190)				
	↓			F						1.0" Threaded straight (CNCR-190)				
	↓			↓	Connection									
	↓				A					16 ft (5 m) polyurethane pigtail (not available on CNCR-110)				
	↓				B					32 ft (10 m) polyurethane pigtail				
	↓				C					82 ft (25 m) polyurethane pigtail (not available on CNCR-110)				
	↓									Note: A&C not available for CNCR-110				
	↓				↓	Output								
	↓					H				Two wire 4-20mA / HART®; 12-35V DC (No HART on CNCR-110)				
	↓					W				Four-wire Modbus; 8-30V DC				
CNCR-110	.	XX	X	X	X	N	A	H	B	Example Part Number				


CNCR-100

The CNCR-110, 120, 130, and 190 all install using a polyurethane pigtail connection cable available in 16, 32, or 82-foot lengths. These sensors are rated to IP66/IP68 (3 bar) with housings made from durable PVDF material that has excellent chemical, abrasion, flame resistance, and UV stability. The FKM seal provides heat and chemical resistance for long-lasting durability. They are for use unclassified areas, non-EX environments, and have general purpose FM/CSA/CE certifications.

Description	CODE	Part No.
VERSION		
CNCR-110 26 ft (8 M) 4-20 mA (top cable connection)	110	
CNCR-120 49 ft (15 M) 4-20 mA & Modbus (top cable connection)	120	
CNCR-130 49 ft (15 M) 4-20 mA & Modbus (side cable connection)	130	
CNCR-190 98 ft (30 M) 4-20 mA & Modbus (top cable connection)	190	
APPROVALS		
Unclassified area, non-EX environment, general purpose FM/CSA/CE	XX	
ATEX/IEC/c-FM-us/c-CSA-us; gas, intrinsic safety, Zone 0, 0/1, 1, 2 (Class I Division 1, 2) + Dust, intrinsic safety, Zone 20, 20/21, 21, 22 (Class II, III Division 1, 2) (CNCR 120, 130, 190) for 2-wire non-Modbus units	VH	
ATEX/IEC; gas, encapsulation, Zone 1, 1/2, 2 + Dust, protection through housing, Zone 20, 21/22, 21, 22 (CNCR 120, 130, 190)	VB	
c-FM-us/c-CSA-us; Gas, encapsulation, Zone 1, 2 (Class I Division 2) + Dust, protection by enclosure, Zone 20, 20/21, 21, 22 (Class II, III Division 1) for Modbus units	FB	
c-FM-us/c-CSA-us; Gas, non-incendive, Class I Division 2 + Dust-ignition proof, Class II, III Division 1	FR	
MOUNTING		
1-1/2 " Threaded NPT	N	
1-1/2 " Threaded straight	G	
1.0" Threaded NPT (CNCR-190)	M	
1.0" Threaded straight (CNCR-190)	F	
CONNECTION		
16 ft (5 m) polyurethane pigtail (not available on CNCR-110)	A	
32 ft (10 m) polyurethane pigtail	B	
82 ft (25 m) polyurethane pigtail (not available on CNCR-110)	C	
OUTPUT		
Two wire 4-20mA / HART®; 12-35V DC (No HART on CNCR-110)	H	
Four-wire Modbus; 8-30V DC	W	
MOUNTING BRACKETS		
1.0" opening, 3-1/4" wall mount bracket made of stainless steel, includes three self tapping screws (CNCR-190)		730-0787
1-1/2 " opening, 3-1/4" wall mount bracket made of stainless steel, includes three self tapping screws (nut 140-1004 not included)		730-0788
1.0" opening, 8.0" wall mount bracket made of stainless steel, includes three self tapping screws (CNCR-190)		730-0789
1-1/2 " opening, 8.0" wall mount bracket made of stainless steel, includes three self tapping screws (nut 140-0014 not included)		730-0790
1-1/2 " opening ceiling mounted bracket made of stainless steel, include three self tapping screws (nut 140-1004 not included)		730-0791
1-1/2 " NPT plastic nut		140-1004

Description	CODE	Part No.
MOUNTING PLATES		
Wall mount bracket for 1.0" CNCR		771-0065
10° 1" NPS full coupler mounting plate kit. Contains white power-coated mounting plate and neoprene gasket.		730-0828
30° 1" NPS full coupler mounting plate kit. Contains white powder-coated mounting plate and neoprene gasket.		730-0797
GRMP-6: 0° 1-1/2 " NPT Powder coated carbon steel mounting plate with half coupling		730-0298
GRMP-10: 0° 1" NPT Powder coated carbon steel mounting plate with half coupling		730-0488
GRMP-11: 5° 1-1/2 " NPT Powder coated carbon steel mounting plate with half coupling		730-0501
GRMP-12: 10° 1-1/2 " NPT Powder coated carbon steel mounting plate with half coupling		730-0502
GRMP-18: 30° 1-1/2 " NPT Powder coated carbon steel mounting plate with half coupling		730-0633
Swivel mount with 1-1/2 " NPT female connector. Can swivel in one direction up to 40°.		SWVL-40
Swivel mounting plate with 8" diameter flange and 1.5" NPS ball. Swivel range up to 13° for aiming radar or laser level sensors. Mounting plate is machined from 30% glass-filled polypropylene.		SWVL-15.8AXX
Swivel mounting plate with 9" diameter flange and 1.5" NPS ball. Swivel range up to 13° for aiming radar or laser level sensors. Mounting plate is machined from 30% glass-filled polypropylene.		SWVL-15.9AXX
For CNCR-190. Swivel mounting plate with 8" diameter flange, 12" sliding rod, and 1.0" NPS fitting at the bottom. The adjustable rod allows the sensor to protrude up to 12" into the vessel. The swivel range is up to 13° for aiming radar-level sensors. The mounting plate is machined from 30% glass-filled polypropylene. The tube is made from glass-filled nylon. The sensor connection cable is threaded through the tube and then connected to the power source.		SWVL-15.8S12
POWER SUPPLY		
PSDC-1: 24 VDC / 30 VA, NEMA 1 din rail mounted power supply		399-0022
PSDC-1: 24 VDC / 30 VA, NEMA 1 din rail mounted power supply		730-0577
PSDC-5: Power supply 90-264 VAC converted to 24 VDC 1 A		399-0030

CNCR-200 Before ordering, validate your selections with a sales rep, as not all options are offered for every configuration.

Model Type											
CNCR-210	.									CNCR-210 26 ft (8 M) 4-20 mA	
CNCR-220	.									CNCR-220 49 ft (15 M) 4-20 mA	
CNCR-230	.									CNCR-230 49 ft (15 M) 4-20 mA with Display	
Approvals											
										XX	Unclassified area, non-EX environment, general purpose FM/CSA/CE
										VC	ATEX/UKEX/IEC/c-FM-us/c-CSA-us; Gas, Intrinsic safety, Zone 0, 0/1, 1, 2 (Class I Division 1, 2)
Mounting											
										N	1.5" Threaded NPT
										G	1.5" Threaded Straight
Connection											
										Q	Cable Entry: One 1/2" NPT without plug
Output											
										H	Two wire 4-20mA / HART®; 12-35V DC (No HART on CNCR-210)
CNCR-110	.	XX	X	X	X	N	Q	H	B	Example Part Number	


CNCR-200

The 210, 220, and 230 all mount using a 1.5" threaded NPT or 1.5" threaded straight NPT connection. The enclosures are rated IP66/IP67, Type 4X to protect them from dust and water damage. They are ideal sensors for non-contact level measurement for basic liquid level applications. They are particularly suitable for use in water treatment, storage tanks with acids, lyes and additives in all industrial areas, or for measuring levels in plastic tanks or IBC containers through the tank walls.

Description	CODE	Part No.
VERSION		
CNCR-210 26 ft (8 M) 4-20 mA	210	
CNCR-220 49 ft (15 M) 4-20 mA/HART	220	
CNCR-230 49 ft (15 M) 4-20 mA with Display/HART	230	
APPROVALS		
Unclassified area, non-EX environment, general purpose FM/CSA/CE	XX	
CSA-US, Class I, Div 1, 2 (220, 230 only)	VC	
MOUNTING		
1-1/2" Threaded NPT	N	
1-1/2" Threaded Straight	G	
CONNECTION		
Cable Entry: One 1/2" NPT without plug	Q	
OUTPUT		
Two wire 4-20 mA / HART®; 12-35V DC (No HART on CNCR-210)	H	
MOUNTING BRACKETS		
1-1/2" opening, 3-1/4" wall mount bracket made of stainless steel, includes three self tapping screws (requires 140-1004, not included)		730-0788
1-1/2" opening, 8.0" wall mount bracket made of stainless steel, includes three self tapping screws (requires 140-1004, not included)		730-0790
1-1/2" opening ceiling mounted bracket made of stainless steel, include three self tapping screws (requires 140-1004, not included)		730-0791
1-1/2" NPT plastic nut		140-1004
MOUNTING PLATES		
GRMP-6: 0° 1-1/2" NPT Powder coated carbon steel mounting plate with half coupling		730-0298
GRMP-11: 5° 1-1/2" NPT Powder coated carbon steel mounting plate with half coupling		730-0501
GRMP-12: 10° 1-1/2" NPT Powder coated carbon steel mounting plate with half coupling		730-0502
GRMP-18: 30° 1-1/2" NPT Powder coated carbon steel mounting plate with half coupling		730-0633
Swivel mount with 1-1/2" NPT female connector. Can swivel in one direction up to 40°.		SWVL-40
Swivel mounting plate with 8" diameter flange and 1.5" NPS ball. Swivel range up to 13° for aiming radar or laser level sensors. Mounting plate is machined from 30% glass-filled polypropylene.		SWVL-15.8AXX
Swivel mounting plate with 9" diameter flange and 1.5" NPS ball. Swivel range up to 13° for aiming radar or laser level sensors. Mounting plate is machined from 30% glass-filled polypropylene.		SWVL-15.9AXX

Description	CODE	Part No.
POWER SUPPLY		
PSDC-1: 24 VDC / 30 VA, NEMA 1 din rail mounted power supply		399-0022
PSDC-1: 24 VDC / 30 VA, NEMA 1 din rail mounted power supply		730-0577
PSDC-5: Power supply 90-264 VAC converted to 24 VDC 1 A		399-0030

Model Type			
CNCR-320	.	CNCR-320 49 ft (15 M) LoRa Output	
CNCR-390	.	CNCR-390 98 ft (30 M) LoRa Output	
Approvals			
		XX	Unclassified area, non-EX environment, general purpose FM/CSA/CE
		VS	ATEX/IEC; Gas, increased safety, Zone 2 + Dust, protection by enclosure, Zone 21, 22
Mounting			
		YD	3.0" 150 lb compression flange
		FK	4.0" 150 lb compression flange
		GN	1.5" NPT Threaded
↓	↓	↓	↓
CNCR-390	.	XX	YD

CNCR-300



The CNCR-300 series of 80 GHz radar sensors gets its power from a lithium battery. No wiring is necessary to measure the levels of solids or liquids in bins, silos, tanks, or industrial containers up to 98 feet tall. The sensor operates accurately and reliably, even in remote or difficult-to-access locations. It's the optimal solution for operations lacking ladders or structures to access the top of vessels safely and routinely. The CNCR 300 series battery-powered IoT sensors communicate their measured values to the cloud wirelessly. There's no need for an electrician or expensive cabling, saving time and money on installation. As the system is Cloud based, there is also no need for on-site Internet access.

Description	CODE	Part No.
VERSION		
CNCR-320 49 ft (15 M) LoRa Output	CNCR-320.	
CNCR-390 98 ft (30 M) LoRa Output	CNCR-390.	
APPROVALS		
Unclassified area, non-EX environment, general purpose FM/CSA/CE	XX	
ATEX/IEC; Gas, increased safety, Zone 2 + Dust, protection by enclosure, Zone 21, 22	VS	
MOUNTING		
3.0" 150 lb compression flange	YD	
4.0" 150 lb compression flange	FK	
1.5" NPT Threaded	GN	
CONFIGURED CNCR-300 SENSORS		
CNCR-320.XXGN - CNCR-320 49 ft (15 M) LoRa output, for use in unclassified areas, non-EX environments, general purpose FM/CSA/CE, 1.5" NPT threaded mount.		CNCR-320.XXGN
CNCR-390.XXYD - CNCR-390 98 ft (30 M) LoRa output, for use in unclassified areas, non-EX environments, general purpose FM/CSA/CE, 3.0" 150 lb. compression flange.		CNCR-390.XXYD
CNCR-390.XXFK - CNCR-390 98 ft (30 M) LoRa output, for use in unclassified areas, non-EX environments, general purpose FM/CSA/CE, 4.0" 150 lb. compression flange		CNCR-390.XXFK