



Technical Data

For detailed data and product description refer to the data sheets at www.pepperl-fuchs.com

General Data

Operating voltage	20 ... 30 V DC (including ripple)
No-load supply current	≤ 50 mA
Potentiometer	switch output adjustable
Interface type	Infrared
Output type	1 switch output PNP, NO (NC programmable)
Operating current	300 mA , short-circuit/overload protected
Input/output type	1 synchronization connection, bidirectional / TEACH-IN input, programmable
Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
Material	
Housing	High grade stainless steel
Transducer	PTFE coated; epoxy resin/hollow glass sphere mixture; polyurethane foam
Protection degree	IP65
Connection type	Device connector M12 x 1 , 5-pin

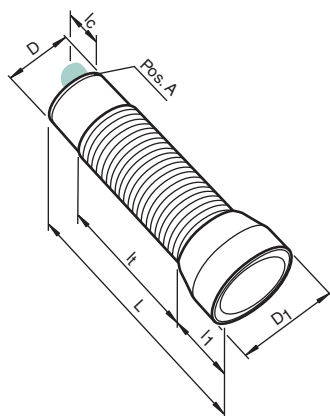


Properties

- Up to 6000 mm sensing range versions
- DC, analog and switching output
- Ø30 mm cylindrical housing
- Connector version

Your Benefit

- Chemically resistant PTFE-coated sensing face and corrosion resistant high grade stainless steel housing
- Simple potentiometer-based configuration
- Optional, expanded configuration control via ULTRA-PROG-IR software and interface



Model Number

		UCC500-30GH70-IE2R2-V15	UCC500-30GH70-UE2R2-V15	UCC2000-30GH70-IE2R2-V15	UCC2000-30GH70-UE2R2-V15	UCC3500-30GH70-IE2R2-V15	UCC3500-30GH70-UE2R2-V15	UCC6000-30GH70-IE2R2-V15	UCC6000-30GH70-UE2R2-V15
Sensing range	45 ... 500 mm	●	●						
	100 ... 2000 mm			●	●				
	200 ... 3500 mm					●	●		
	350 ... 6000 mm							●	●
Transducer frequency	approx. 300 kHz	●	●						
	approx. 200 kHz			●	●				
	approx. 120 kHz					●	●		
	approx. 80 kHz							●	●
Output type	1 voltage output 0 ... 10 V , ascending/descending programmable		●		●		●		●
	1 current output 4 ... 20 mA , ascending/descending programmable	●		●		●		●	

Approvals and Certificates

UL approval	cULus Listed, General Purpose	●	●	●	●	●	●	●	●
CSA approval	cCSAus Listed, General Purpose	●	●	●	●	●	●	●	●

Dimensions

Diameter D [mm]	30
Length L [mm]	99,3 121,2
Thread length l ₁ [mm]	74,7 62
Transducer diameter D ₁ [mm]	30 65
Transducer length l ₂ [mm]	0,3 0,5 36,5
Connector area l _c [mm]	10,5

Accessories

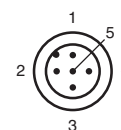
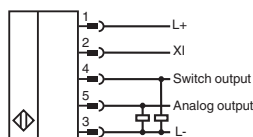
This and more accessories can be found in chapter 3.5 from page 673
See pages from 972 ... for cordsets See pages 1068 ... for mounting aids

BF 30	Mounting flange, 30 mm
BF 5-30	Universal mounting bracket for cylindrical sensors with a diameter of 5 ... 30 mm
V15-G-2M-PUR	Cable socket, M12, 5-pin, PUR cable
V15-W-2M-PUR	Cable socket, M12, 5-pin, PUR cable
UC-18/30GM-IR	Interface cable
ULTRA-PROG-IR	Service program

Electrical Connection



UCC500-30GH70-IE2R2-V15
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UCC3500-30GH70-IE2R2-V15
UCC3500-30GH70-UE2R2-V15
UCC6000-30GH70-IE2R2-V15
UCC6000-30GH70-UE2R2-V15



Wire colors in accordance with EN 60947-5-2

1	BN	(brown)
2	WH	(white)
3	BU	(blue)
4	BK	(black)
5	GY	(gray)



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		UCC500-30GH70S-IE2R2-V15	UCC500-30GH70S-UE2R2-V15	UCC2000-30GH70S-IE2R2-V15	UCC2000-30GH70S-UE2R2-V15	UCC3500-30GH70S-IE2R2-V15	UCC3500-30GH70S-UE2R2-V15	UCC6000-30GH70S-IE2R2-V15	UCC6000-30GH70S-UE2R2-V15
Sensing range	45 ... 500 mm	●	●						
	100 ... 2000 mm			●	●				
	200 ... 3500 mm					●	●		
	350 ... 6000 mm							●	●
Transducer frequency	approx. 300 kHz	●	●						
	approx. 200 kHz			●	●				
	approx. 120 kHz					●	●		
	approx. 80 kHz							●	●
Output type	1 voltage output 0 ... 10 V , ascending/ descending programmable		●		●		●		●
	1 current output 4 ... 20 mA , ascending/ descending programmable	●		●		●		●	

Approvals and Certificates

UL approval	cULus Listed, General Purpose	●	●	●	●	●	●	●	●
CSA approval	cCSAus Listed, General Purpose	●	●	●	●	●	●	●	●

Dimensions

Diameter D [mm]	30
Length L [mm]	143,5 126
Thread length l _t [mm]	74,4
Transducer diameter D ₁ [mm]	30 65
Transducer length l ₁ [mm]	28 37,2
Connector area l _c [mm]	10,5

Accessories

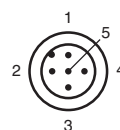
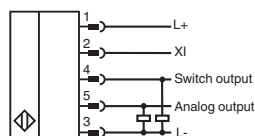
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UCC6000-30GH70S-UE2R2-V15
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