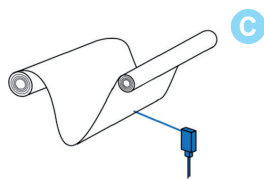


## Materials handling series—Conveying Analog output



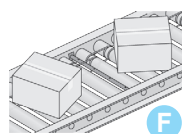
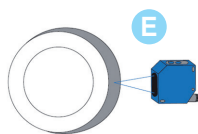
Analog output  
Position control

High access  
gain for resistance  
to accumulation of dirt

Application	C			C	
System	Diffuse	Retroreflective	Diffuse	Diffuse	Thru-beam
<b>Sensing distance</b>	<b>0.20 to 0.80 m</b>	<b>0.20 to 30 m (1)</b>	<b>0.20 to 6 m (2)</b>	<b>0.05 to 0.40 m</b>	<b>50 m</b>
Mounting (mm)	mtg ctrs: 30 - 11P cable connector	3 holes 5.8 mm		M18 x 1	M18 x 1
Sensitivity adjustment	—	Teach mode		Potentiometer	Potentiometer
Case M (metal) P (plastic) / Setup assistance LEDs ☉	P / ☉	P / ☉		M / ☉	M / ☉
Temperature range / Degree of protection (conforming to IEC 60529)	-25 to +140 °F (-25 to +60 °C) / IP67	-4 to +122 °F (-20 to +50 °C) / IP67		-13 to +131 °F (-25 to +55 °C) / IP67	
Product certification	CE, UL, CSA	CE, cULus		CE, UL, CSA	CE, UL, CSA, C-TICK
Dimensions Ø x L or H x W x D: mm (in.)	86 x 27 x 83 (3.39 x 1.06 x 3.27)	93 x 42 x 95 (3.66 x 1.65 x 3.74)		M18 x 95 (3.74)	

### Sensors for DC applications

Connection	Screw terminals	M12 connector – 5 pins	M12 connector	M12 connector
<b>Transmitter / Receiver</b>				
analog 4-20 mA / 0-10 V	<b>XUJK803538 (3)</b>	—	—	—
analog 4-20 mA	—	—	<b>XU5M18AB20D</b>	—
analog 4-20 mA + 1 PNP	—	—	—	<b>XU2M18AP20D (2)</b>
analog 4-20 mA + 2 PNP	—	<b>XUE1AA2NM12</b>	<b>XUE5AA2NM12</b>	—
Supply voltage limits, min./max. (V) including ripple	20 to 30	18 to 30	10 to 30	10 to 30
Switching capacity, max. (mA) / Switching frequency (Hz)	max: 20, min: 4 / 10000	100 / 38 (fast mode), 16 (slow mode)	max: 20, min: 4 / 20	100 / 30
Overload and short-circuit protection (★) / LED output state indicator (☉)	★ / ☉	★ / ☉	★ / ☉	★ / ☉



Application	D E		F
System	Diffuse, analog output		Diffuse
	0-10 V	4-20 mA	
<b>Sensing distance</b>	<b>40 to 60 mm</b>	<b>80 to 300 mm</b>	<b>0 to 100 mm</b>
Minimum size of object	1 mm	1.5 x 3.5 mm	85 mm
Mounting (mm)	direct: 3 M4 holes, mounting centers 40 mm		direct on conveyor with specific mounting parts
Sensitivity adjustment	Potentiometer		No
Case P (plastic) / Setup assistance LEDs ☉	P / ☉		Aluminium tube / x
Temperature range	+32 to +113 °F (0 to +45 °C)		-13 to +131 °F (-25 to +55 °C)
Product certification	CE, cULus		CE, UL
Dimensions H x W x D: mm (in.)	50 x 17 x 50 (1.97 x 0.67 x 1.97)		Tube Ø 12, variable length from 200 to 900 mm (7.87 to 35.43 in.)

### Sensors for DC applications (solid-state output: transistor)

Connection	M12 connector	M12 connector	Remote M12 connector
<b>Transmitter / Receiver</b> 0 to 10 V	<b>XUYPC0925L1ANSP</b>	<b>XUYPC0925L3ANSP</b>	<b>XUY415N4HL03M12</b>
Supply voltage limits, min./max (V) including ripple	18 to 28		18 to 30
Switching capacity, max.	3 mA / 0 to 10 V analog output	3 mA / 4 to 20 mA analog output	100 mA
Switching frequency (Hz)	40		1000
Overload and short-circuit protection (★) / LED output state indicator (☉)	★ / ☉		★ / ☉

### Accessories

Suitable female PUR prewired plug-in connectors (4)		Female connectors		Mounting for XUYPC0925		Mounting for XUE	
2 m <b>XZCP0941L2</b> <b>XZCP1141L2</b>		<b>XZCP1041L2</b> <b>XZCP1241L2</b>		straight <b>XZCC12FCM50B</b>	With protective cover <b>XUY 9251-DF525567</b>	Simple <b>XUY 925-DF525568</b>	For compact <b>XUZA618</b>
5 m <b>XZCP0941L5</b> <b>XZCP1141L5</b>		<b>XZCP1041L5</b> <b>XZCP1241L5</b>		elbowed <b>XZCC12FDM50B</b>			

- (1) With reflector XUZC250 to be ordered separately.
- (2) On white and gray object 0.2 to 6 m, on black object 0.2 to 2.5 m.
- (3) With 3-wire PNP output.
- (4) For other cable options see page 53.