

**M18 Ultrasonic Sensors 1500 Series**



**M18 200-1500mm (8"- 5') Range**  
Max range to 5'

**Harsh Duty Ultrasonic Sensor**

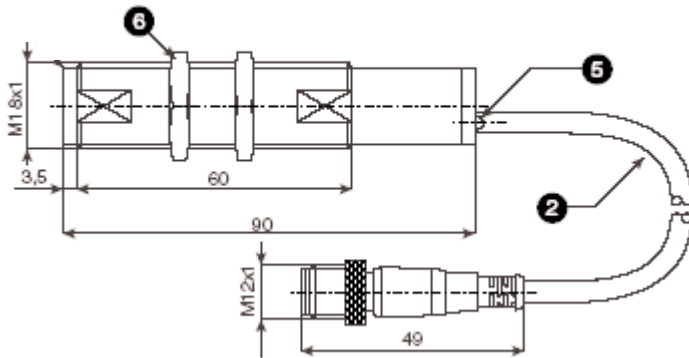
**Ideal for detecting bulk solids**

**18-30Vdc PNP NO output**

**Easy set up using Teach in function**  
anti fog, anti washdown, light immune, color immune

**IP67 protection degree**

**protection from electrical damages**



- 2 K5 M12 4 Pin
- 5 Yellow LED
- 6. Plastic tightening nut

**Parts Matrix**

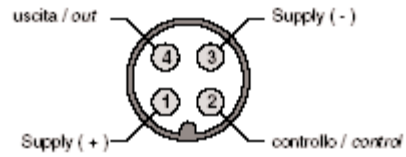
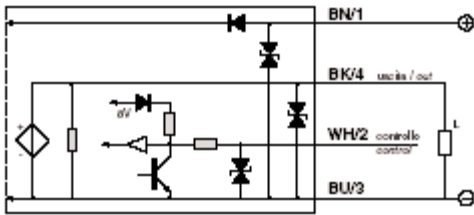
ultrasonic sensor series	U
M18 18mm diameter body	9
200-1500mm range	15K
diffuse mode	D
PBTB housing	T
4 wire device	4
PNP output	P
NO normally open	1
180Hz	G
M12 4 Pin connector	K5
range (mm) max	1500m

**Part Number Specifications**

**U915KDT4P1GK5 Ultrasonic PNP NO K5**

**Wiring Diagram**

**K5 4 pin M12 Connector**



**TECHNICAL SPECIFICATIONS**

<b>Nominal Sensing Distance</b>	<b>200-1500mm</b>
<b>Emission</b>	<b>ultrasonic</b>
<b>Repeatability</b>	<b>.2%</b>
<b>Hysteresis</b>	<b>+/-2%</b>
<b>Sensitivity</b>	<b>trimmer</b>
<b>Ultrasonic Frequency</b>	<b>180Hz</b>
<b>No Load Supply Current</b>	<b>&gt;35mA</b>
<b>Output</b>	<b>PNP NO</b>
<b>Load Current</b>	<b>35mA</b>
<b>Operating Voltage U<sub>b</sub></b>	<b>18-30VDC</b>
<b>Voltage Drop</b>	<b>2.5V</b>
<b>Control Input</b>	<b>sync</b>
<b>Ultrasonic Beam Angle</b>	<b>8 degrees</b>
<b>Ripple</b>	<b>10%</b>
<b>Max Respse Time</b>	<b>-</b>
<b>Protection Degree (DIN 40 050)</b>	<b>IEC IP67</b>
<b>Housing Material</b>	<b>PBTP</b>
<b>Time Delay before Available</b>	<b>200ms</b>
<b>Sensitivity Adjustment</b>	<b>teach-in</b>
<b>Operrating Temp</b>	<b>-15---+70C</b>
<b>Storage Temp</b>	<b>-25---+75C</b>
<b>Supply/Electrical Protections</b>	<b>short circuit/overvoltage</b>
<b>Protections</b>	<b>IP67</b>
<b>Weight</b>	<b>54g</b>