


Instrument Data Sheet

General	1	Product	Belt Speed Detector (without sensor: user supplied)	
	2	Model Number	BSD-0S	
	3	Manufacturer	Conveyor Components Company	
	4			
Environment	5	Ambient Temperature	-20 to 90 °C [-4 to 194 °F]	
	6	Material: Frame	Powder coated steel with zinc plated hardware	
	7	Material: Wheel	Glass Filled Nylon	
	8	Sensor Enclosure Rating	Sensor: user supplied	
	9	Mounting	2 × $\varnothing^{13/32}$ " [10 mm] holes (mounting hardware included)	
	10			
Electrical	11			
	12	Sensor Type	12mm [$\frac{1}{2}$ "] non-contact inductive probe: user supplied	
	13	Output Type	Sensor: user supplied	
	14	Operating Voltage	Sensor: user supplied	
	15	Operating Current	Sensor: user supplied	
	16	Indicating Lamp	Sensor: user supplied	
	17	Controller	Sensor: user supplied	
	18	Pulse Rate Scaling Factor	1 Hz =	0.3490 fps
	19			20.944 fpm
	20			0.2380 mph
	21			0.1064 m/s
	22			0.3830 km/h
	23		1 fps =	2.865 Hz
	24		1 fpm =	0.0477 Hz
25	1 mph =		4.202 Hz	
26	1 m/s =		9.399 Hz	
27	1 km/h =		2.611 Hz	
28				
Mechanical	29	Wheel Diameter	\varnothing 8" [203mm]	
	30	Sensor Target	6 per wheel	
	31	Max Belt Speed	20 mph, 1760 fpm [32.2 km/hr, 8.94m/s]	
	32	Safety Restraint	Safety Cable (included standard): Two 2' [0.6 m] lengths of vinyl coated aircraft cable. (part# 21310016)	
	33		Safety Chain Kit (optional): Two 4' [1.2 m] lengths of safety chain, with attachment hardware (part# 21310016)	
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	35			
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Manufacturer	40		Conveyor Components Company Division of Material Control, Inc. 130 Seltzer Road, PO Box 167 Croswell, MI 48422 USA (810) 679-4211 info@conveyorcomponents.com www.conveyorcomponents.com	
Notes:				