Laser

A laser level measurement sensor is used for level control, plugged chute detection, and monitoring buildup. This non-contact device measures in a tight beam, making it suitable for use in very narrow vessels, constrained spaces, or in applications where the beam must be precisely targeted to avoid walls or other structures. Laser can be pointed at an outlet to ensure timely replenishment of material or mounted near the sidewall to detect buildup.

Description	CODE	Part No.
BATTERY-OPERATED LASER		
SPL-200 & FVL-200 require BinCloud Gateway with LoRa communications		
SPL-200 Laser level sensor, 98 ft. maximum measurement, wireless LoRa output, includes standard -20°F to 120°F (-30°F to 65°F) battery.		SPL-200
FVL-200 Laser level sensor, 35 ft. maximum measurement, Wireless LoRa output, includes standard -20°F to 120°F battery. Must be used with FeedView software.		FVL-200
MOUNTING PLATES FOR BATTERY-OPERATED LASER		
Swivel mount with 1.5" NPT female connector. Can swivel in one direction up to 40°.		SWVL-40
LASER LEVEL TRANSMITTER		
LL-100 - Laser Level sensor, 1 ft to 160 ft (0.3 m to 50 m) range with 0.4 in (10 mm) resolution and +/- 1" (25 mm) accuracy. Non-visible laser bean with <1° beam angle. 12-28 VDC power input with 4 to 20 mA (3wire) output. Can be used in -4°F (-20°C) to 140°F (60°C) environments in an IP66 enclosure.		730-5176
MOUNTING PLATES FOR LL-100		
LL-900 Mounting Flange - ANSI (DN100 PN6/PN10) 4" 150# with <10° swivel angle.		258-0113
LL-910 Mounting Flange - ANSI (DN65 PN6) 2.5" 150# with <10° swivel angle.		258-0114
BINCLOUD GATEWAY		
See BinCloud Gateway configuration tree under Inventory Management Programs		
BINCLOUD GATEWAY BASE UNIT		
BC-GW-100 BinCloud Gateway collects sensor data and sends it to the BinCloud platform on the web. The BC-GW-100 consists of:	BC-GW-100.	
BINCLOUD GATEWAY INPUTS		
Inputs - 4-20 mA 4 wire - Four inputs	2	
Inputs - RS-485	3	
Inputs - TCP/IP	4	
Inputs - LoRa	5	
BINCLOUD GATEWAY OUTPUTS		
Outputs - Ethernet Only	E	
Outputs - Cellular and Ethernet	C	
Outputs - WiFi only	W	
BINCLOUD GATEWAY POWER SUPPLY		
Power Supply - 110 VAC	A	
Power Supply - 24 VDC	B	

Description	CODE	Part No.
BINCLOUD GATEWAY CABLE		
Cable - Standard wall socket pigtail for 110V outlet, 6ft in length	1	
Cable - No power supply cable	X	
BINCLOUD GATEWAY ANTENNA		
Antenna - Standard range antenna	S	
Antenna - Long range antenna	L	