



The 3DLevelScanner determines the average volume of bulk solids stored in small silos with diameters of up to 13 feet (4 m). It incorporates a non-contact dust-penetrating technology enabling it to overcome the challenges of harsh, dusty environments in many applications.

## HOW IT WORKS

The 3DLevelScanner employs an array of antennas to transmit low frequency pulses and to receive echoes of the pulses from the contents of the silo, bin, and other containers. The unit measures the time/distance of each echo and its direction. The device's Digital Signal Processor samples and analyzes the received signals to provide very accurate measurements of the level and volume of the stored contents.

## FEATURES AND BENEFITS

### Increase Accuracy and Performance

- Multi-point accuracy
- Dust penetrating, low frequency technology
- Easy navigation with 4-button LCD display

### Easy to Maintain

- Upgrade firmware remotely
- Remote configuration and communication
- System redundancy with 3 independent transmitters/receivers
- Non-contact measurement

### Better Inventory Controls

- Reduce safety stock with more accurate inventory levels
- Reduce carrying costs through improved accuracy

## SPECIFICATIONS

### FUNCTIONAL

Power Supply	20-32 VDC
Power Consumption	4 VAC; 3 W (Maximum)
Process Temperature	-40° to 350° F (-40° to 85° C)
Process Pressure	-2.9 to 14.5 psi (-0.2 to 1 bar)
Signal Output	4-20mA, HART, RS-485, Modbus

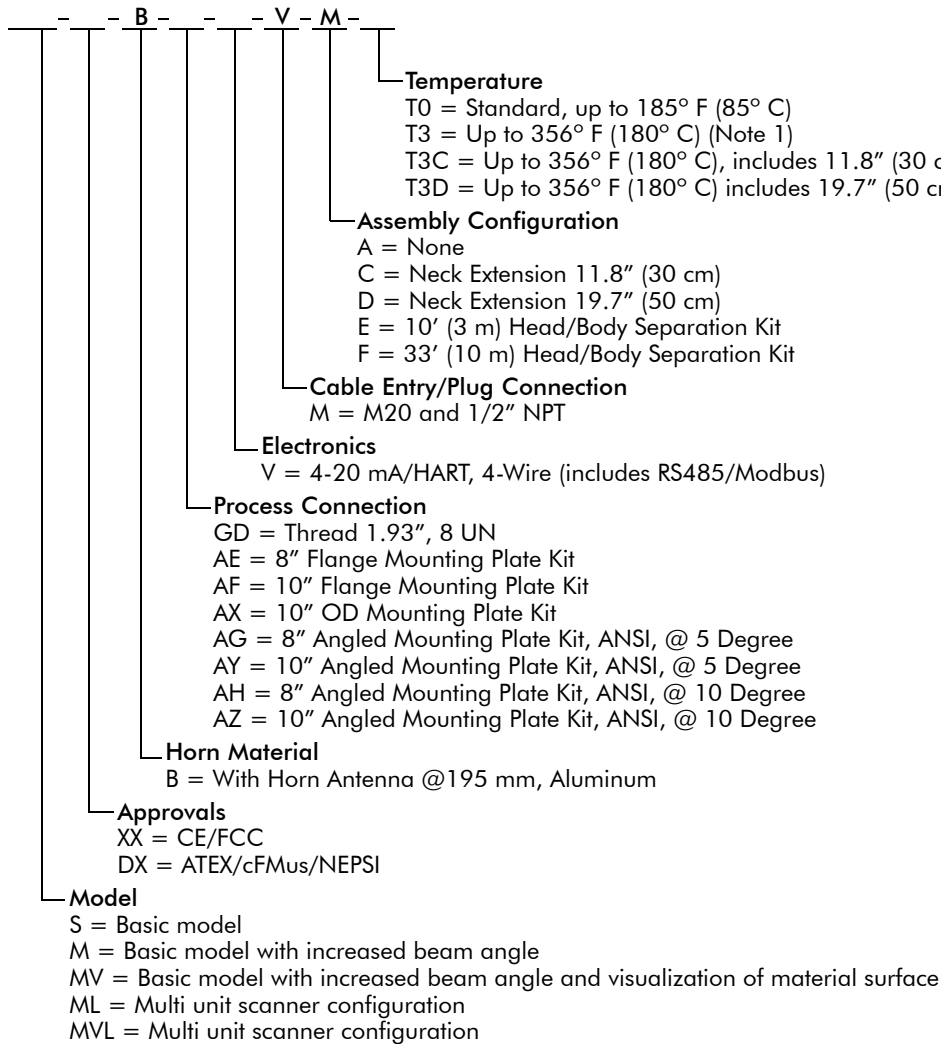
### PERFORMANCE

Max Measuring Height	230 ft (70 m)
Max Measuring Diameter	13 ft (4 m)
Beam Angle	Model S: 30° Model M/MV: 70°
Deadband	8 in. (20 cm)

### PHYSICAL

Housing Material	Aluminum, Die Cast
Housing Protection Rating	IP67
Conduit Entry	1/2" NPT (dual)
Process Fitting	Flange, Thread
Approvals	ATEX, cFMus, CE, FCC, NEPSI

## HOW TO ORDER



## DIMENSIONS

