Non-Contact Radar Made Better by BinMaster

NCR-80 metal jacketed model

*You have many choices when it comes to a non-contact radar. What you might **NOT** get from other manufacturers are the options and accessories that make your installation simpler and more affordable. Plus, BinMaster supplies the complete solution from the sensor to the data output options.*
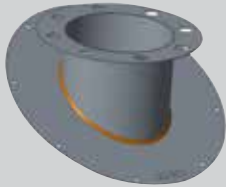

NCR-80 plastic horn model

More Mounting Flexibility

Not all roofs are flat. So, in addition to the affordable 0° mounting plate BinMaster offers a 30° mounting plate with a 4" ANSI flange. This roof angle is especially prominent in the grain industry, where dust-penetrating 80 GHz non-contact radar is becoming an increasingly popular sensor.

Or, there's the 10° swiveling holder for the metal jacketed version of the NCR-80 that comes in 4", 6", or 8" 316L flange sizes that allows for precise aiming to the output of the vessel. For the NCR-80 plastic horn antenna version, 8° directional aiming is available with 3", 4", or 8" adapter flanges.
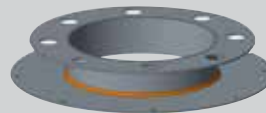
What's great about all these options? There's no on-site fabrication needed and it's likely that you'll be able to use an existing roof flange. This will simplify installation, while saving you time and money.

30° Mounting Plate

30° Mounting Plate with NCR-80 metal jacketed model

0° Mounting Plate

0° Mounting Plate with NCR-80 metal jacketed model

NCR-80

Non-Contact Radar Options
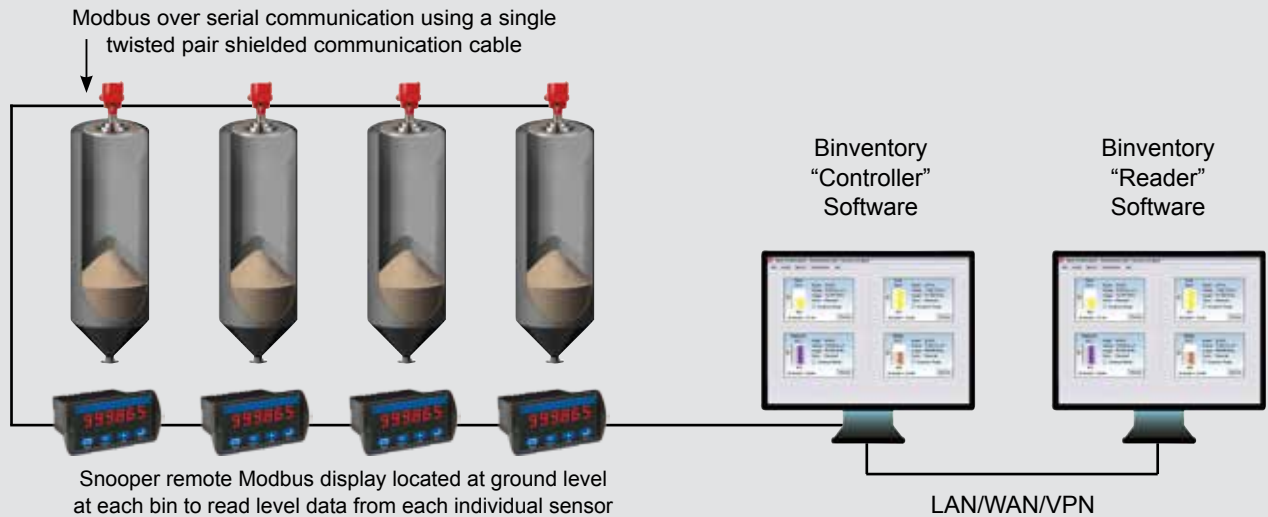
Local Display Options

BinMaster offers several display modules to provide access to level data locally at the bin. This allows workers and drivers quick access to inventory levels from the ground or a vehicle.

Based upon the number and location of your silos and where it's easiest to access data, BinMaster will design a solution that fits your needs and meets your budget.
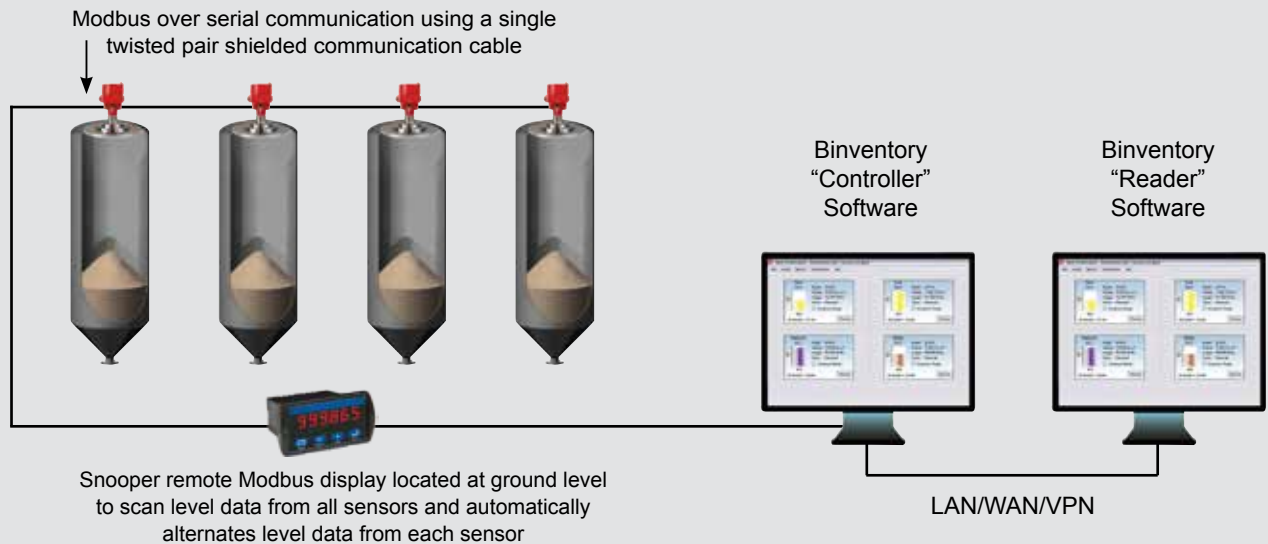
Local Data Display

One Display Module per Vessel

Modbus over serial communication using a single twisted pair shielded communication cable

Binventory "Controller" Software

Binventory "Reader" Software

Snooper remote Modbus display located at ground level at each bin to read level data from each individual sensor

LAN/WAN/VPN

Single Display for Multiple Vessels

Modbus over serial communication using a single twisted pair shielded communication cable

Binventory "Controller" Software

Binventory "Reader" Software

Snooper remote Modbus display located at ground level to scan level data from all sensors and automatically alternates level data from each sensor

LAN/WAN/VPN

More Output Options

You buy sensors because you need data to manage your inventory. With BinMaster, you have more options about where the data goes. The NCR-80 does not require a PLC or console. Sure, you can use them if you prefer, but BinMaster gives you other options.

Binventory™ software from BinMaster installs on a PC on your LAN, WAN, or VPN. This software (formerly known as eBob) collects data from over 50 vessels and sends automated high and low level alerts, visualizes vessel levels, and generates usage reports. It can be used by one user or installed across your entire organization.

Binventory™ PC software

BinView™ inventory management on your phone, tablet, or PC.

The advanced software platform is not only compatible with the NCR-80, but also a wide variety of BinMaster continuous level sensors or just about any sensor using the Modbus RTU protocol. This makes Binventory™ a complete solution for managing the inventory of either solids or liquids contained in bins, tanks, or silos.

The BinView™ web application is another data communication option for the NCR-80 that works anywhere you have a connection to the internet. No software installation is needed. That means you can get levels and alerts on your phone, tablet, or PC. Like Binventory™, BinView™ is compatible with many BinMaster sensors as well as other sensors that have a 4 -20 mA analog output or Modbus RTU. BinView™ can be used for remote inventory monitoring from multiple locations around the state, country, or worldwide.

Reduce & Simplify Wiring

BinMaster offers multiple options to reduce the amount of wiring and labor associated with your NCR-80 installation. One option is to communicate with Binventory™ software via modbus over serial communication. Additional wireless modules are available as wire replacement.