

# ***BINMASTER***<sup>®</sup>

# **NCR-86** non-contact radar

## **ONE SENSOR** *fits every application*

### **Continuous level measurement of liquids and bulk solids**

The BinMaster NCR-86 is a universal radar sensor for continuous level measurement of liquids and bulk solids for all process conditions.

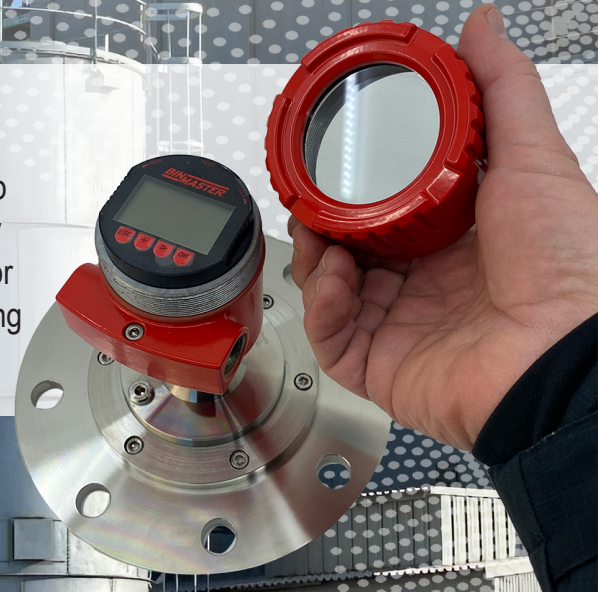
### **One tough radar built with smarts**

With powerful and accurate 80 GHz measuring frequency built-in, you are assured maintenance-free operation in any solid or liquid in any bin, silo, or tank. Robust construction, rugged enclosures, and encapsulated electronics ensure the NCR-86 works reliably and safely even in excessive conditions.

## **Two convenient set-up options**

Simply step through configuration and setup using the BinMaster Sensor App on your phone or PC. Or use a single BinDisc module to quickly set up every NCR-86 sensor at your location. Using either option, get a custom solution for any level application. Select parameters for material measured, hot or freezing conditions, hazardous or corrosive environments, and much more.

BinMaster.com  
(402) 434-9102



One radar. Any solid or liquid. Super simple!



## What makes NCR-86 great?

**Solids or liquids:** This versatile radar level sensor has built-in 80 GHz frequency making it adaptable to material of any bulk density or specific gravity.

**Accuracy and measuring range:** Accuracy of  $\pm 1$  mm at distances up to 393 feet (120 meters).

**Small dead zone:** The radar detects and measure material almost to the top of the vessel.

**Protection from cyber-attacks:** Designed to IT Security standard IEC 62443-4-2, the toughest established for the industrial process industry.

**Hot temperatures, high pressure:** Wide range of process temperatures -196 to +450 C and process pressures from -1 to 160 bar (-100 to 16000 kPa).

**Immune to extreme environments:** Radar ensures precise measurements in excessive dust, hot steam, or extreme noise.

**Functional safety:** SIL, IEC 61511 turned on or off reduces the risk of failure and prevents or mitigates the threat of hazardous events.

## Bulk material monitoring

**Inventory access** from BinCloud

Fast and accurate in challenging conditions

Non-contact, **maintenance-free** operation

**One sensor** configures to any application

Adjust the sensor for **any vessel or material**



solids, liquids  
bins, tanks, silos  
**MEASURED!**

## Custom configuration for NCR-86

Aluminum, plastic, and stainless-steel  **housings**

2- or 4-wire **4-20 mA/ HART** and Modbus outputs

**Adapter** flanges, mounting straps or swiveling holders

Non-EX or with CSA, **ATEX**, or IEC approvals

**BINMASTER**

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