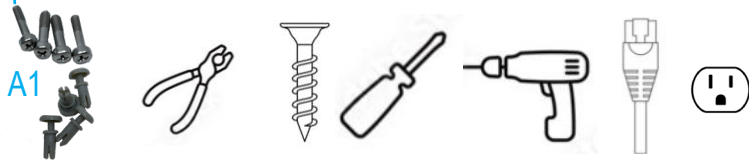


BINMASTER

QUICK SETUP GUIDE

BCGW.XXXE-HCM

BINCLOUD GATEWAY



Tools needed: drill and bit, phillips screwdriver, drywall/ wood screws, ethernet cable, pliers. Screws and plastic plugs, A1, can be used to secure the top cover.

STEP 1

Choose a wall location to mount your Gateway. Make sure there is access to a 120VAC outlet and, preferably, an ethernet connection.

STEP 2

Attach mount brackets to the enclosure with the included screws. Brackets fit on protruding screwholes on the back of the enclosure. Then, use drywall screws and attach unit to the wall.



STEP 3

Install 3 cable glands using a drill and bit on the HCM-100.

- One cable gland is for 110VAC **positive** and **negative** wires.
- One cable gland is for BinCloud Gateway Channel 1 (**A&B**) to HCM-100 RX-**A&B**
- One cable gland for HART communication **wires** going to NCR sensors



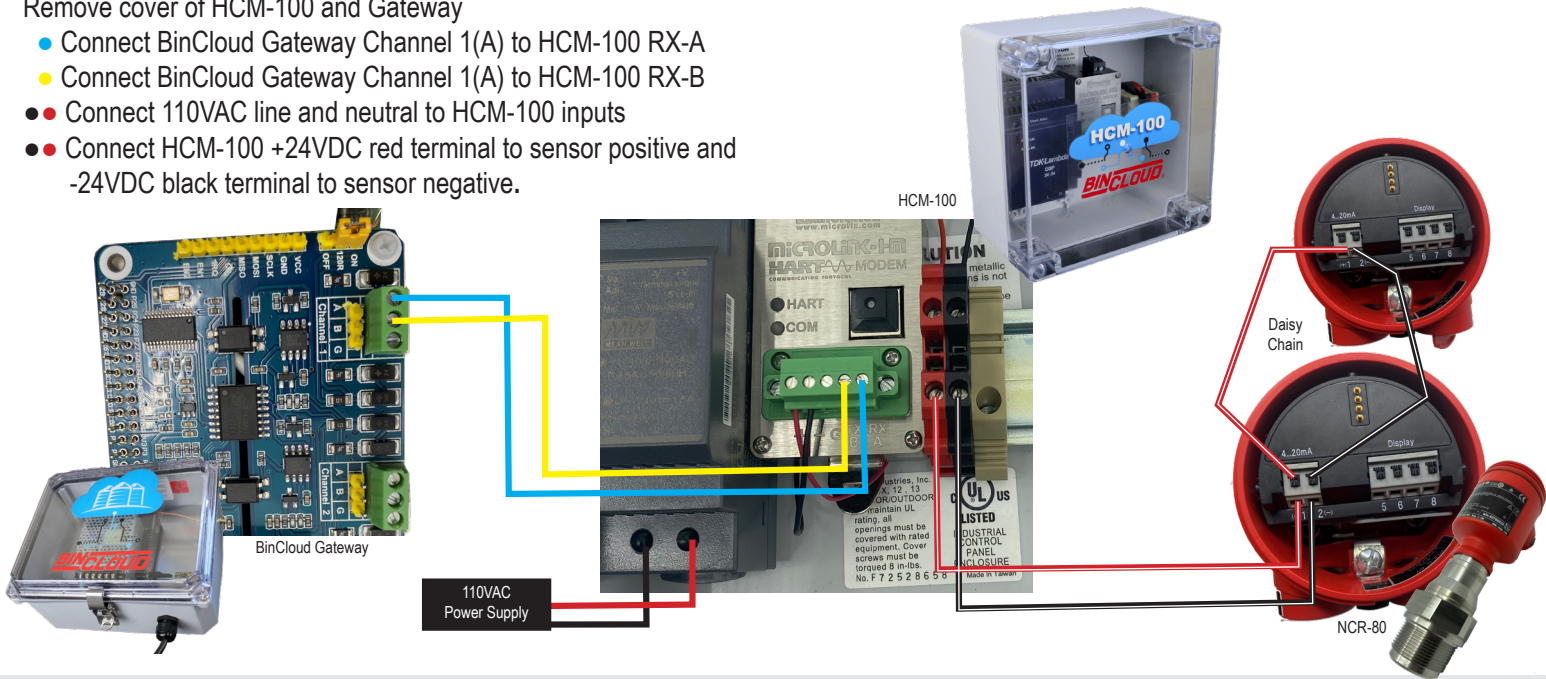
(Cable glands not included)



STEP 4

Remove cover of HCM-100 and Gateway

- Connect BinCloud Gateway Channel 1(A) to HCM-100 RX-A
- Connect BinCloud Gateway Channel 1(A) to HCM-100 RX-B
- Connect 110VAC line and neutral to HCM-100 inputs
- Connect HCM-100 +24VDC red terminal to sensor positive and -24VDC black terminal to sensor negative.



STEP 5 PLUG IN!

- Check wire connections and replace covers
- Connect the Gateway ethernet plug to a network port, router or switch.
- Plug SmartBob and Gateway units into the 120VAC outlet.
- Wait 25 minutes and call BinMaster at 1-800-278-4241 to confirm the internet connection.
- BinMaster will create a custom cloud page with your specific bins, tanks, silos, sizes, locations, etc. We'll chat about your page during the connection verification call.



FIREWALL RULES FOR BINCLOUD GATEWAY

Direction	Outbound	Ports	For these IPS	IP Addresses
TCP		80, 433		All
UDP		5959-5961		52.38.107.102
				52.25.64.249
				34.221.219.221
				54.218.6.237
UDP		5959-5970		52.39.255.60
				54.71.174.229
				52.88.4.160
				34.217.159.41
				34.213.84.184
				52.43.176.61
				35.162.54.59
				52.42.122.172
				44.224.165.129
				44.226.176.44
				44.237.66.197
				44.238.4.218
				54.184.44.101
				44.228.115.25
				44.230.239.2
				44.236.20.68
				44.236.200.9
				44.236.76.190
				44.239.243.92
				44.240.35.27

Direction	Outbound	Ports	Region	IP Addresses
UDP		20000-40000	USA	All
UDP				54.212.116.92
UDP				52.12.114.120
UDP				52.87.228.243
UDP				3.88.21.119
UDP				34.223.7.202
UDP			Europe	54.93.100.223
UDP				18.195.88.21
UDP				18.184.70.5
UDP			India	15.207.116.15
UDP				13.127.230.228
UDP			SE Asia	13.212.70.205
UDP				13.212.30.222
UDP			Asia	18.182.42.125
UDP				13.230.250.171
UDP				18.179.34.24
UDP			Japan	52.69.206.76
UDP				18.179.57.238



Measuring a Vessel | Get Ready for BinCloud

In order to calculate material from level readings, we set up BinCloud software with your vessel dimensions. Bins, silos, and tanks vary greatly, so you'll need to provide physical measurements to BinMaster. Here's a handy guide to prepare for the BinMaster call:

Vessel Manufacturer _____ Model # _____ Other ID # _____
(if available from paperwork or plate on vessel)

Straight Wall Height: _____

Top Cone Height: _____

Sensors 4-20mA

Diameter*: _____

Bottom Cone Height: _____

4mA Distance Setting (empty): _____

Width*: _____

Bottom Opening: width: _____ length: _____

20mA Distance Setting (full): _____

Length*: _____

Top Opening: width: _____ length: _____

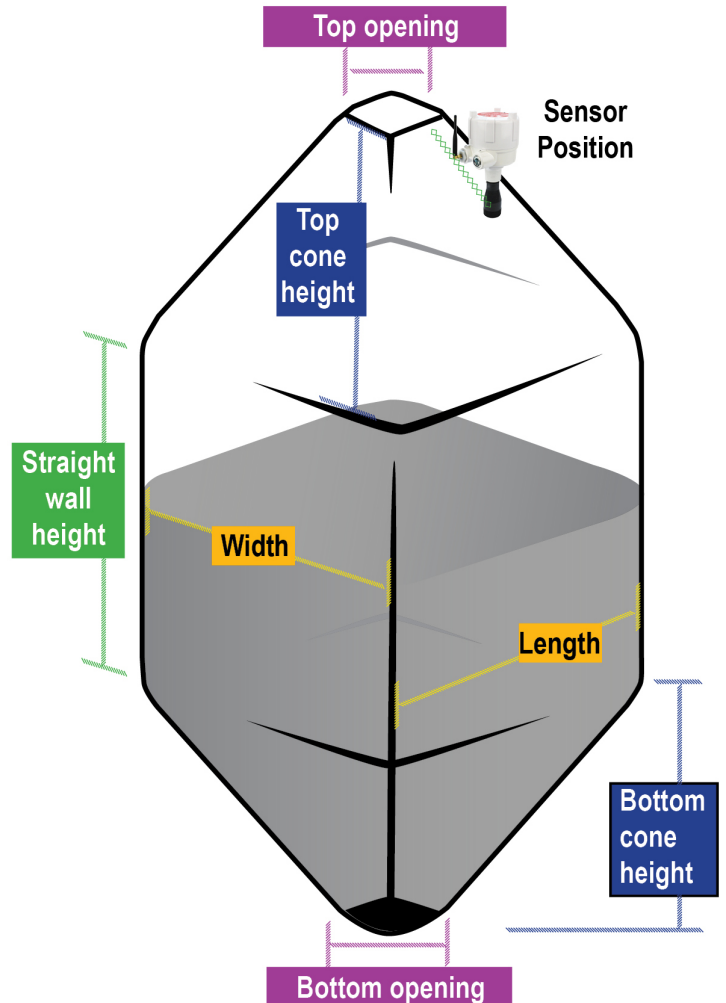
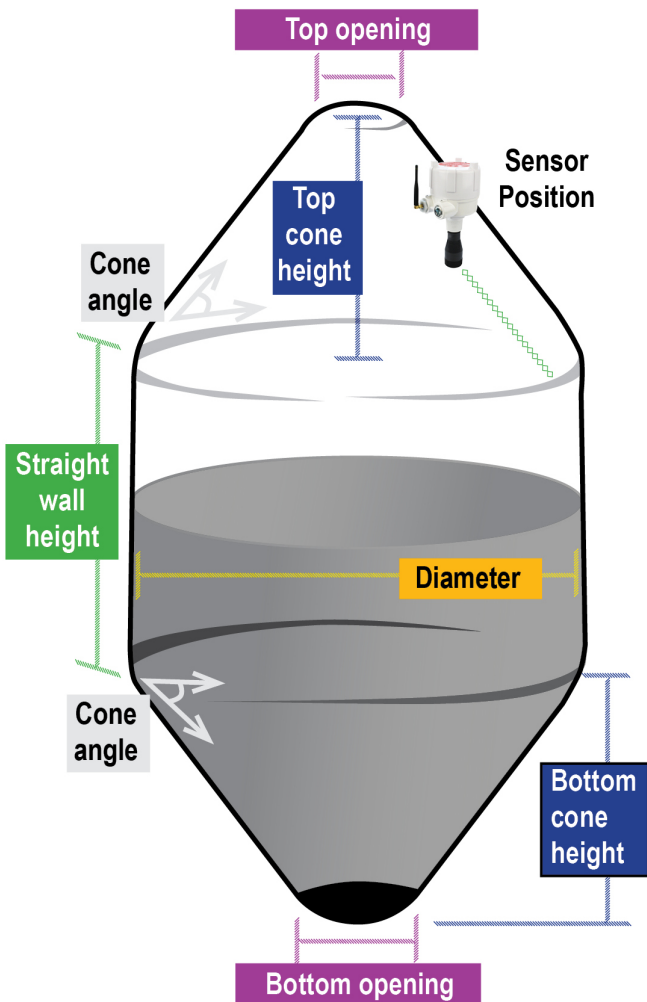
Top Cone Angle*: _____

Sensor Position _____

Bottom Cone Angle*: _____

Capacity _____

*Many measurements are available through vessel manuals and similar paperwork. Try searching model number and manufacturer name before pulling out your tape measure. * indicates this measurement needed only if applicable to the vessel shape (see illustration above)*



MORE CONFIGURATIONS →

Measuring a Vessel | Get Ready for BinCloud

