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# HM-BT-BAT

## HART Modem – Bluetooth Battery Powered

### Benefits:

- Access hard to reach instrumentation from the ground
- Improve plant personnel safety
- Easy instrument configuration using PDA's or PC's without bulky modules or wires
- Less clutter on desk or workbench

### Feature Highlights:

- Bluetooth v1.2
- Reliable wireless communication up to 100 ft (30m)
- Internal antenna
- Battery powered (Standard 9V)
- Integral heavy duty HART Minigrabber connectors
- Meets HART Physical Layer Spec HCF\_SPEC-54
- High security 128 bit encryption
- Compact size 2.5" x 4.25" x 1.25" (64mm x 108mm x 32mm)
- Rugged ABS plastic enclosure
- HART Modem Test Program included for PC and Pocket PC



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## HART Modem – Bluetooth

### Battery Powered

#### Specifications:

##### Enclosure

Material	High strength ABS Plastic
Dimensions	2.5" x 4.25" x 1.25" (64mm x 108mm x 32mm)
Total Unit Weight	6 oz (170 g)

##### Cables

HART Cable Length	4' (1.2 m)
HART Cable Connectors	Mini-Grabber

##### HART

Interface	Capacitive coupling
Output	600 mVpp
Leakage	< 10 uA
Connections	Across loop resistor or HART field device
Specifications	HART 4, HART 5, HART 6, HART 7, HART Physical Layer Spec HCF_SPEC-54

##### Bluetooth

Specifications	Bluetooth v1.2
Frequency	2.4 GHz
Class 1 Master Distance	100' (30m)
Class 2 Master Distance	25' (7.6m)

##### Battery

Type	9V
Life	14 hours continuous use

##### Environmental

Operating Temperature	0 degC to 50 degC (32 degF to 122 degF)
Storage Temperature	-40 degC to 85 degC (-40 degF to 185 degF)
Humidity	0% to 99% (non-condensing)