



GT200-HT-RS

HART / Modbus Serial Gateway

Introduction

GT200-HT-RS is a gateway that can provide a seamless connection between HART and Modbus. The HART interface can be configured as a primary master or a secondary master. The Modbus RTU/ASCII side acts as a slave.

Features and Benefits

Available with Multiple Channels

Available in one single channel configuration supporting up to 15 HART devices. Compatible with all Universal Commands for all HART 5, 6, and 7 devices.



Ease of Use

Users can refer to the product manual to quickly configure a data connection that meets their needs. Configuration is performed using the SST-HT-CFG software.



Strong EMI Resistance

Uses an isolated power supply to handle various complex industrial environments, improving resistance to electromagnetic interference to ensure reliability.



Wide Range of Applications

The HART interface serves as a HART master. Up to 15 HART devices can be connected via a Modbus network.



Typical Application



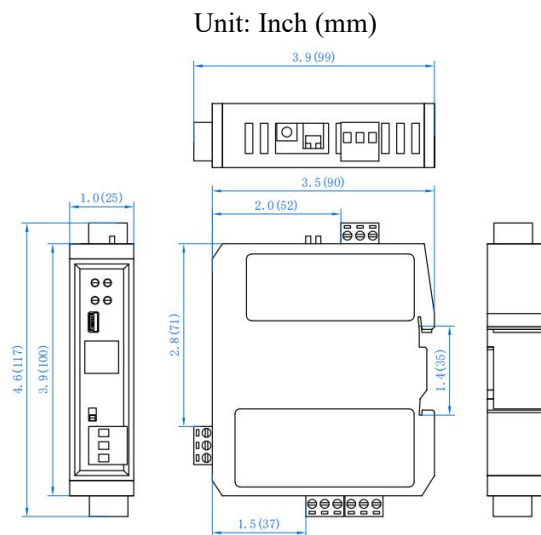
GT200-HT-RS gateway can connect HART devices to Modbus fieldbus. GT200-HT-RS gateway is a bridge in the communication network and implements data conversion between HART and Modbus RTU/ASCII protocols.

- Modbus RTU/ASCII Masters: DCS, Central Control Systems.
- HART devices supported: all HART 5, 6 and 7 devices, including multivariable flowmeters, level gauges, and field transmitters.

Technical Specifications

Modbus RTU/ASCII Features	
Operation Mode	Modbus Slave
Supported Function Codes	03H, 04H, 06H, 10H
Interface	RS485, RS232
HART Features	
Operation Mode	HART Master
Maximum Commands	128
Maximum Devices	15
Supported Commands	Compatible with all Universal HART Commands for HART 7 and earlier versions.
Electrical / Environmental	
DC Input Voltage	24 VDC (9 to 30 VDC)
Operating Temperature	-40°F to 158°F (-40°C to 70°C) Humidity 5% to 95%
Certification	CE Compliant
Physical	
Dimensions (W x H x D)	1.0in x 3.9in x 3.5in (25mm x 100mm x 90mm)
Mounting	35mm (1.4in) DIN Rail
HART Port	3-Pin Terminal Block
Power Interface	3-Pin Terminal Block

Dimensions



Product Recommendations

Model Name	Network Interface 1	Network Interface 2
GT200-HT-MT	HART	Modbus RTU/ASCII
GT200-HT-EI	HART	EtherNet/IP