



GT200-HT-RS

HART / Modbus Serial Gateway

Introduction

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

Features

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 achieved using SST-HT-CFG configuration 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

Four HART interfaces serve as HART masters. Up to 15 HART devices can be connected via Modbus network in total.



Typical Application



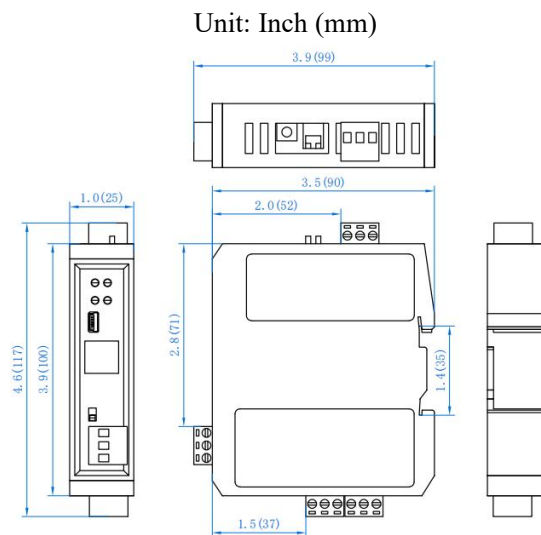
GT200-HT-RS gateway can connect HART devices to Modbus fieldbus. GT200-HT-RS gateway is a bridge in the communication network and implements the conversation between HART and Modbus RTU/ASCII.

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

Technical Specifications

Modbus RTU/ASCII Features	
Operation Mode	Modbus Slave
Supporting Function Codes	03H, 04H, 06H, 10H
Interface	RS485, RS232
HART Features	
Operation Mode	HART Master
Maximum Commands	128
Maximum Devices	15
Supported Command	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