

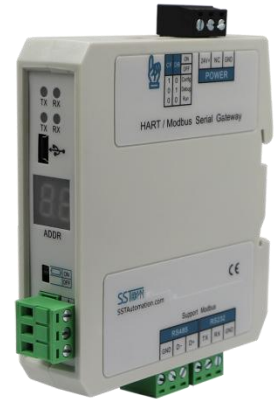
HART / Modbus Serial Gateway

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 and Benefits

- Easy to Use: Users can refer to the product manual to quickly configure a data connection that meets their needs.
- Rich debugging functions, command segmentation mapping function, visual display of data exchange, HART device command diagnosis function facilitates user's communication test.
- HART interface can be used as a primary master or a secondary master.
- HART interface supports single-point and multi-drop mode.
- Easy-to-use configuration software SST-HT-CFG.



Interfaces

Black Terminal	Power Supply	24V DC
USB Interface	Configure and Debug Interface	Mini B Type USB
DIP Switch	Configure Status of GT200-HT-RS	Run, Configure, Update
Indicators	TX, RX, TX, RX	Green
Internal Sampling resistor Switch	ON/OFF	270 Ω
Modbus Address Setting Button	Configurable Modbus Address	0-99
LED Display		0-99



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.

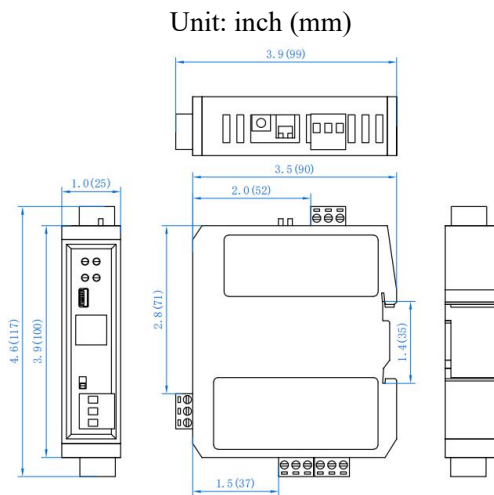
- Modbus RTU/ASCII Master: DCS, Central Control
- HART Devices: HART instruments

HART / Modbus Serial Gateway

Technical Specifications

Modbus RTU/ASCII Features	
Operation Mode	Modbus Slave
Supporting Function Codes	03H, 04H, 06H, 10H
Interface	RS485, RS232
HART Features	
Operation Mode	A Primary Master or the Secondary Master.
Protocol Supported	Supports all commands of the HART protocol.
Maximum Number of HART Commands	Each channel of HART supports up to 128.
Maximum Number of HART Devices Supported	Supports connecting at most 13 instruments with gateway internal resistor and supports connecting 15 instruments with an external resistor (250 Ω /2W)
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)	1.0x 3.9 x 3.5 in 25 x 100 x 90 mm
Mounting	DIN Rail
Ethernet Port	(1) 10/100 Base-T, RJ45 Connector
Power Interface	(1) 3-Pin Terminal Block

Dimensions



Product Recommendations

Module Name	Interface 1	Network Interface 1
GT200-HT-MT	HART	Modbus TCP
GT200-HT-EI	HART	EtherNet/IP
GT200-HT-DP	HART	PROFIBUS DP