

Modbus/AD – HART Converter



Overview

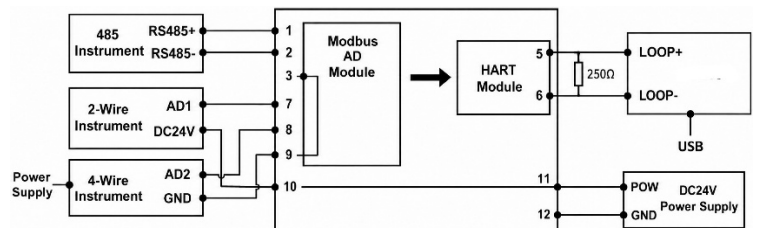
The MODBUS/AD to HART Protocol Converter makes data from Modbus RTU devices and/or 4–20 mA analog signals available as HART device variables.

Depending on the model, it accepts data through an RS485 interface, analog inputs, or both, and provides a HART compatible 4–20 mA output.

The converter integrates signal conditioning circuitry, communication interfaces, and a dedicated HART modulation and demodulation chip. Its compact enclosure is intended for integration into industrial monitoring and control systems.

Key features

- Converts Modbus RTU register data and/or analog measurements into HART device variables
- Supports an RS485 Modbus RTU interface on applicable models
- Supports two or four 4–20 mA analog inputs, depending on model
- Provides a HART compatible 4–20 mA output
- Allows configuration of the analog measurement range and zero point
- Supports local querying and configuration of operating parameters



Technical specifications

Parameter	Specification
RS485 Input	Modbus RTU
Analog input signal	4–20 mA DC
Output	HART device variables and 4–20 mA current
Supply voltage	24 V DC
Operating temperature	–25 to +85 °C
Enclosure dimensions	96 × 80 × 25 mm (L × W × H)

Model selection

Model	Inputs	Outputs
MHT-11	RS485 Modbus RTU and 2 × 4–20 mA	HART compatible 4–20 mA output
MHT-12	RS485 Modbus RTU	HART compatible 4–20 mA output
MHT-13	4 × 4–20 mA	HART compatible 4–20 mA output