



## HART Modem

Simply connect across any HART loop with one or more transmitters

## Inbuilt Sense Resistor

The optionally selectable inbuilt loop resistor simplified installation

## USB interface

Connectivity and power provided by standard USB interface

## Compatibility

Compatible with PACTware, FieldCare, PDM and other packages

## Product description

The RMC-UHM is a DIN rail mount single channel HART modem module designed for industrial applications. The module is intended to be used in conjunction with a PC or laptop computer running standard or proprietary software such as PACTware or FieldCare to configure, maintain and manage HART capable process instruments. Communication between the PC and the module is via USB. Software drivers create a virtual serial port on the PC which are identical in behaviour to physical serial ports and may be used by any software package. The USB connection is convenient for portable engineering tools such as note and net books which often do not provide a traditional serial interface. An inbuilt current sense loop resistor is user selectable. The device is powered via the USB interface and does not require external DC input.

### RMC PRODUCT

This product is a member of the RMC range and shares a common design, connection and installation philosophy with other members.

For further information on this product series please visit our website and search for RMC



# Product Datasheet

## Technical Data

### Computational

None

### H.A.R.T Interfaces

Quantity: 1  
Type: Primary/secondary Master  
Multi-drop support: Yes

### USB Ports

Quantity: 1  
Type: USB 2 Full speed

### Interface Protocols

Raw HART modem

### Power

Sourced from USB  
Nominal Voltage: 5V  
Power: < 1W

### Connectors

USB: Plug accepting 1.5mm<sup>2</sup> cable  
Loop and sense R: Plug accepting 1.5mm<sup>2</sup> cable

### Mechanical

Type: Snap-on DIN rail mounting  
Rail compatibility: DIN EN 60715 TH 35  
Material: Flame retardant PA 66 (UL 94 V-0)  
Height: 113.5 mm  
Width: 19mm  
Depth: 76.6

### Environment

Operating: -40 to +85 °C Ambient  
Storage: -50 to +125 °C  
Humidity: 5 to 90 % non condensing  
Altitude: 12,000 feet

### Certification

Europe: CE in accordance with EN ISO 17050-1:2004  
USA Class: A device, pursuant to part 15 of FCC regulations  
Canada: Compliant with ICES-003

**RAP** SYSTEMS

**dti**

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