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# RHE 07/RHE 08

## Rheonik advanced transmitters

### RHE 07 Features

- Rack mounting version
- Built in barriers to allow operation with meter in hazardous area: ATEX Approval Ex II (1) G [EEx ia] IIC or cCSAus - Class 1, Div 2, Gr ABCD
- Two analog outputs (0/4 - 20/22 mA)
- One pulse/frequency output - 2 inputs
- Available in all common supply voltages
- Multifunctions (density, brix, concentration, etc.)
- Available with RS 422/485/232
- Enclosure rating: IP 20/Type 1
- Power consumption: < 15 W
- Temperature range: -40°C to 60°C (-40°F to 140°F)
- NMI custody transfer approved version available (TC 3382) with double pulse output
- Batch control



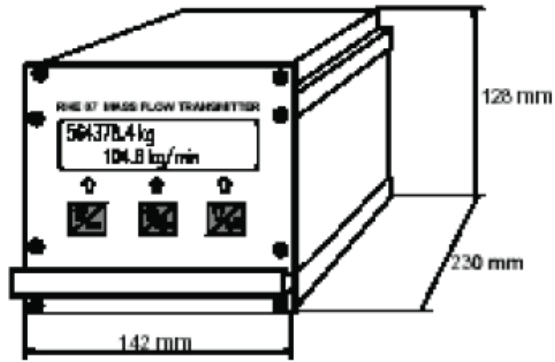
### RHE 08 Features

- Wall mounting version
- Built in barriers to allow operation with meter in hazardous area: ATEX Approval Ex II (1) G [EEx ia] IIC or cCSAus - Class 1, Div 2, Gr. BCD
- Two analog outputs (0/4 - 20/22 mA)
- One pulse/frequency output - 2 inputs
- Available in all common supply voltages
- Multifunctions (density, brix, concentration, etc.)
- Version available with RS 422/485/232 HART interface
- Enclosure rating: IP 65/Type 4X
- Power consumption: < 15 W
- Temperature range: -40°C to 60°C (-40°F to 140°F)
- Batch Control
- NTEP (US Weight & Measures) Approval



imagination at work

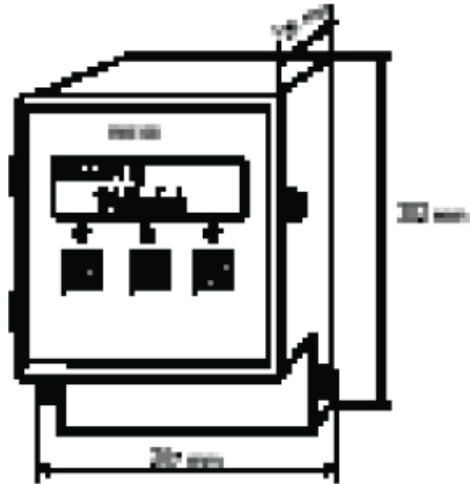
## RHE 07 Specifications



### RHE 07 Specifications

|                  |  |
|------------------|--|
| Housing          | 1/3, 19 in rack module (**)  |
| Enclosure rating | IP 20  |
| Dimensions       | 142 mm x 128 mm x 230 mm (5.60 in x 5.04 in x 9.06 in)                                       |
| Op. temperature  | -40°C to 60°C (-40°F to 140°F)   |
| Display          | LCD (16 characters, 2 lines)   |
| Servicing        | via 3 pushbuttons for all settings   |
| Outputs(*)       | 2 analog outputs<br>1 frequency/pulse output<br>3 digital outputs (Limit, direction, errors) |
| Inputs(*)        | 2 inputs (hold, reset, zero)   |
| Power supply     | 230 VAC +/- 10% or 115 VAC +/- 10% or 24 VDC   |
| Serial Interface | RS 422/485/232 - optional  |
| Weight           | approx. 1.9 kg/4.2 lb  |

## RHE 08 Specifications



### Details RHE 08

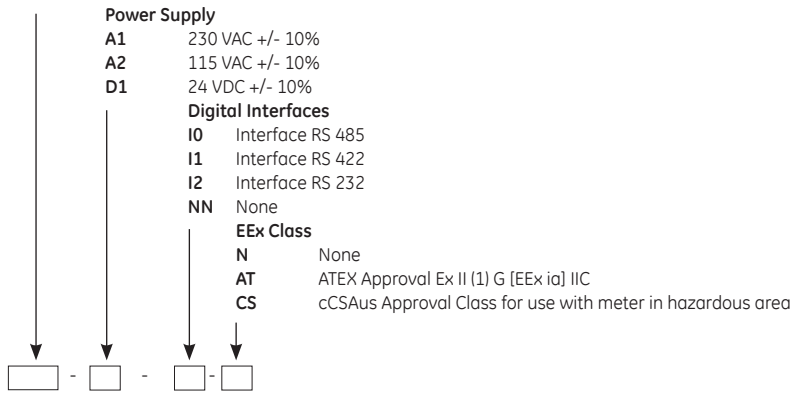
|                  |  |
|------------------|--|
| Housing          | Aluminium (wall mounting)  |
| Enclosure rating | IP 64  |
| Dimensions       | 302 mm x 207 mm x 128 mm<br>(11.89 in x 8.15 in x 5.04 in)                                   |
| Op. temperature  | -40°C to 60°C (-40°F to 140°F)   |
| Display          | LCD (16 characters, 2 lines)   |
| Servicing        | via 3 pushbuttons for all settings   |
| Outputs(*)       | 2 analog outputs<br>1 frequency/pulse output<br>3 digital outputs (Limit, direction, errors) |
| Inputs(*)        | 2 inputs (hold, reset, zero)   |
| Power supply     | 230 VAC +/- 10% or 115 VAC +/- 10% or 24 VDC   |
| Cable entries    | 4 x M25 x 1.5 - others optional  |
| Serial Interface | RS 422/485/232 - optional<br>HART - optional   |
| Weight           | approx. 4.7 kg/10.4 lb   |

(\*) In/outputs via open collector optocouplers.  
For details see wiring diagrams.

(\*\*) NMI custody transfer version ½, 19" rack module

## RHE 07 Ordering Information

RHE 07



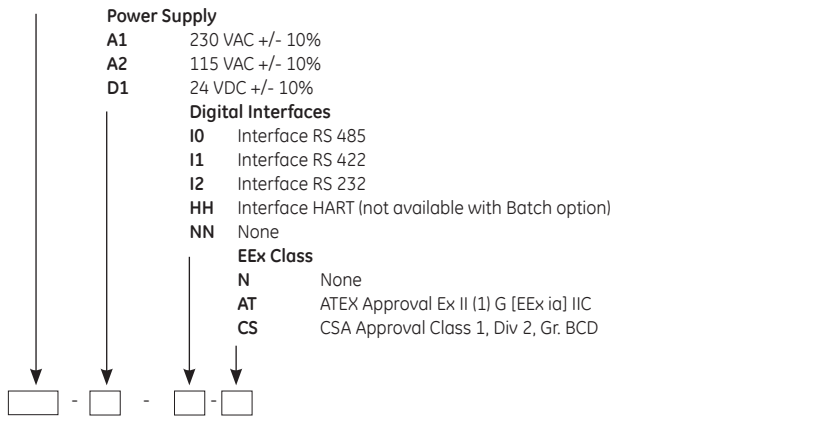
I.e.: RHE 07 A1 NN AT

(\*) Standard configuration includes:

2 analog outputs, 1 pulse/frequency output, 3 digital outputs, 2 inputs (see wiring diagram for details).

## RHE 08 Ordering Information

RHE 08



I.e.: RHE 08 A1 NN AT

(\*) Standard configuration includes:

- 2 analog outputs, 1 pulse/frequency output, 3 digital outputs, 2 inputs (see wiring diagram for details).

- 4 cable entries M25 x 1.5. Others (1/2" NPT-F, 3/4" NPT-F and M20 x 1.5) available on request.

*Note: Transmitter must be installed in safe area*



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