

Rosemount™ 2140 Configuration Data Sheet

Select only one of the items provided

One or more of the listed items can be selected

★ = Default Value

Customer information	
Customer: _____	Contact name: _____
Phone no.: _____	Fax no./email: _____
P.O./reference no.: _____	P.O. line item: _____
Quote no.: _____	Model no.: _____
Customer sign-off: _____	

Tagging
Hardware tag: _____ (21 characters maximum)
<input type="radio"/> Software HART® 5: _____ (8 characters maximum)
<input type="radio"/> Software HART 7: _____ (32 ASCII characters maximum)
Note HART 7 model option must be selected if more than 8 character tag is required. If HART 5 in the model option is selected and more than 8 characters are supplied, then the instrument will be programmed with the last 8 characters only.

Transmitter information
Descriptor: _____
Message: _____

Configuration information	
Media density	<input type="radio"/> Low (e.g. propane), 400 kg/m ³ – 600 kg/m ³ <input type="radio"/> Medium (e.g. alcohol), 500 kg/m ³ – 900 kg/m ³ <input type="radio"/> Standard (e.g. water), 800 kg/m ³ – 1300 kg/m ³ ★ <input type="radio"/> High (e.g. acid), 1300 kg/m ³ – 3000 kg/m ³
Alarm current level	<input type="radio"/> Low alarm <input type="radio"/> High alarm ★
Output delay ⁽²⁾ :	_____ seconds★
Fault delay ⁽⁴⁾ :	_____ seconds ★
Temperature units:	<input type="radio"/> °C ★ <input type="radio"/> °F
Sensor operating mode	<input type="radio"/> Normal <input type="radio"/> Enhanced - fault= dry <input type="radio"/> Enhanced - fault= wet ★
Current output operating mode	<input type="radio"/> Dry = on ★ <input type="radio"/> Wet = on
Current output type	<input type="radio"/> 4 / 20 mA <input type="radio"/> 8 / 16 mA ★ <input type="radio"/> Level tester <input type="radio"/> Custom ⁽¹⁾ Custom off ⁽³⁾ current _____ mA, Custom on ⁽⁵⁾ current _____ mA
Process temperature (if known):	_____ (else 20 °C / 68 °F)

Current output levels				
	Saturation values (Rosemount 2140 with EFP only)		Alarm values	
	Low	High	Low ⁽⁶⁾	High ⁽⁷⁾
Valid range	3.7–3.9 mA	20.0–22.0 mA	3.6–3.8 mA	20.2–23.0 mA
Default range	3.9 mA	20.8 mA	3.75 mA	21.75 mA
Required value				

1. Custom on/off current must be between 4.0–20.0 mA.
2. Output delay range between 0–3600 seconds. (default 1 second).
3. Custom off current must be between 4.0–10.0 mA.
4. Fault delay should be range between 0–3600 seconds. (default 5 seconds).
5. Custom on current must be between 14.0–20.0 mA.
6. Low alarm current must be at least 0.1 mA below the low saturation value.
7. High alarm current must be at least 0.1 mA above the high saturation value.



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