

Rosemount™ 4600 Configuration Data Sheet

All sections up to C1 Note are required on this form.

★ = Default Value

Select only one of the items provided

One or more of the listed items can be selected

Customer information	
Customer: _____	Contact Name: _____
P.O./Reference No: _____	Fax No./Email: _____
Phone No.: _____	P.O. Line Item: _____
Quote No.: _____	Model No.: _____
Customer Sign-off: _____	

Output information				
English units	<input type="radio"/> psi★	<input type="radio"/> bar	<input type="radio"/> MPa	<input type="radio"/> kg/cm ²
	<input type="radio"/> Atm	<input type="radio"/> ftH ₂ O	<input type="radio"/> inH ₂ O	<input type="radio"/> Pa
	<input type="radio"/> inHg	<input type="radio"/> kPa	<input type="radio"/> g/cm ²	<input type="radio"/> mmH ₂ O at 4 °C
	<input type="radio"/> Torr	<input type="radio"/> mmH ₂ O	<input type="radio"/> mmHg	<input type="radio"/> inH ₂ O at 4 °C
	<input type="radio"/> mbar			
Output =	<input type="radio"/> Linear★			
Transmitter sensor temperature units ⁽¹⁾ =	<input type="radio"/> °C★	<input type="radio"/> °F		
Range points: 4 mA = _____ (0)★		20 mA = _____ (0)★		
Damping ⁽¹⁾ (0.3-60 seconds): _____ (0.4 seconds)★				

1. Requires a C1 option code.

Tagging information
Hardware tag: _____ (56 characters)
Software tag: _____ (8 characters)
Long software tag ⁽¹⁾ : _____ (32 characters)

1. Requires DA2 option code.

Transmitter information			
Descriptor: _____ (16 characters maximum)			
Message: _____			
Date	Day __ (numeric)	Month ___ (alphabetic)	Year __ (numeric)

Signal selection: (software selectable)

4-20 mA with simultaneous digital signal based on HART® protocol

Burst mode of HART digital process variable

Burst mode output options:

Primary variable in engineering units

Primary variable in percent of range

All dynamic variables in engineering units

All dynamic variables in engineering units and the primary variable mA value

Multidrop communication Transmitter address (1-15): __ (default = 1)

Process variable configuration

Write protect On Off

Analog output alarm and saturation signal levels⁽¹⁾

All categories must be completed for custom configuration.

Custom (requires option C6 or C7)= Low alarm (\leq __. __ mA) values must be between 3.8 and 3.6

Low saturation (__ . __ mA) values must be between 3.9 and 3.7

*Low alarm must be 0.1 mA lower than the low saturation value

High alarm (\geq __. __ mA) values must be between 20.2 and 23.0

High saturation (__ . __ mA) values must be between 20.1 and 21.5

*High alarm must be at least 0.1 mA higher than the high saturation value

For reference only:

Alarm values: Values (mA) the transmitter outputs if it detects a gross malfunction condition.

Saturation values: Values (mA) the transmitter outputs if applied pressure goes outside the 4–20 mA range values.

Standard★ = Low alarm: (\leq 3.75 mA) Low saturation (3.9 mA)

High alarm: (\geq 21.75 mA) High saturation (20.8 mA)

1. Requires a C1 option code.

Process variable output assignments⁽¹⁾						
Primary variable★	<input type="radio"/>	Measured pressure	<input type="radio"/>	Scaled variable pressure	<input type="radio"/>	<input type="radio"/>
Secondary variable	<input type="radio"/>	Measured pressure	<input type="radio"/>	Scaled variable pressure	<input type="radio"/>	Device temperature★
Tertiary variable	<input type="radio"/>	Measured pressure	<input type="radio"/>	Scaled variable pressure★	<input type="radio"/>	Device temperature

1. Requires a C1 option code.




Scaled variable information⁽¹⁾	
Scaled units = _____ (5 characters maximum, spaces consume 0-9, A-Z, /, %, -, and * character positions)	
Transfer function =	
<input checked="" type="radio"/> Linear★	
Linear scaled variable (with linear option only)	
Low pressure value: _____ (english units)	
High pressure value: _____ (english units)	
Low scaled value: _____ (scaled units)	
High scaled value: _____ (scaled units)	
Linear Offset: _____ (english units)	
Range values—both categories must be completed. ((used when scaled variable is set to primary variable)	
LRV _____ (scaled unit)	URV _____ (scaled unit)
(7 characters maximum)	(7 characters maximum)

1. Requires a C1 option code.




Process alert setpoints⁽¹⁾	
Process alert set points are values set by the user where the transmitter outputs a HART message when the applied pressure or temperature goes outside the designated range. The pressure values are limited to the range of the transmitter.	
Pressure process alert (HART signal only) <input type="radio"/> On <input checked="" type="radio"/> Off★ <input type="radio"/> Low alert _____ (english unit) (LRL ≤ low alert ≤ high alert ≤ URL) <input type="radio"/> High alert _____ (english unit)	Temperature process alert (HART signal only) <input type="radio"/> On <input checked="" type="radio"/> Off★ <input type="radio"/> Low alert _____ (Temperature unit -40 °F, -40 °C) (-40 °C ≤ low alert ≤ high alert ≤ 85 °C) *must have a 5 °C difference <input type="radio"/> High alert _____ (Temperature unit -185 °F, -85 °C)

1. Requires a C1 option code.




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