

Configuration Data Sheet

Customer Information

Customer _____
 P.O. No _____
 Model No. _____
 Line Item _____

Input-Output Information (software selectable)

Sensor Type	No. of Leads		
<input type="checkbox"/> Pt 100 $\alpha = 0.00385$ ★	<input type="checkbox"/> 2-Wire	<input type="checkbox"/> NIST Type B T/C	<input type="checkbox"/> NIST Type T T/C
<input type="checkbox"/> Pt 100 $\alpha = 0.003916$	<input type="checkbox"/> 3-Wire	<input type="checkbox"/> NIST Type E T/C	<input type="checkbox"/> DIN Type L T/C
<input type="checkbox"/> Pt 200 $\alpha = 0.00385$	<input type="checkbox"/> 4-Wire ★	<input type="checkbox"/> NIST Type J T/C	<input type="checkbox"/> DIN Type U T/C
<input type="checkbox"/> Pt 500 $\alpha = 0.00385$		<input type="checkbox"/> NIST Type K T/C	<input type="checkbox"/> W5Re/W26Re
<input type="checkbox"/> Pt 1000 $\alpha = 0.00385$		<input type="checkbox"/> NIST Type N T/C	<input type="checkbox"/> mV
<input type="checkbox"/> Cu 10		<input type="checkbox"/> NIST Type R T/C	
<input type="checkbox"/> Ni 120		<input type="checkbox"/> NIST Type S T/C	
<input type="checkbox"/> Ohms			

4-20 mA Points and Damping	4 mA Value	20 mA Value	Damping
	<input type="checkbox"/> 0 °C ★	<input type="checkbox"/> 100 °C ★	<input type="checkbox"/> 5 Seconds ★
	<input type="checkbox"/> _____ °C	<input type="checkbox"/> _____ °C	<input type="checkbox"/> Other _____ (Value must be less than 32 sec.)
	<input type="checkbox"/> _____ °F	<input type="checkbox"/> _____ °F	
	<input type="checkbox"/> _____ °R	<input type="checkbox"/> _____ °R	
	<input type="checkbox"/> _____ K	<input type="checkbox"/> _____ K	
	<input type="checkbox"/> _____ mV	<input type="checkbox"/> _____ mV	
	<input type="checkbox"/> _____ Ohms	<input type="checkbox"/> _____ Ohms	

Tagging

Hardware Tag _____ (13 characters maximum)
 Software Tag _____ (8 characters maximum - default is first 8 characters of the hardware tag)

Transmitter Information

Descriptor (C1 Option) _____ (16 characters maximum)
Message (C1 Option) _____ (32 characters max)
Date (C1 Option) Day ____ (numeric) ____ Month (alphabetic) ____ Year (numeric)

Software Detected Failure Mode and Software Security

Software Detected Failure Mode **High** ★ Low
 Software Security **Off** ★ On

Signal Selection

4-20 mA with simultaneous digital signal based on HART protocol ★
 Burst mode of HART digital process variable
 Burst mode output options:
 Primary variable, percent of range Primary variable in percent of range and mA
 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)

Alarm and Saturation Values

Rosemount Standard ★
 NAMUR-compliant. Available with option code A1 or CN.
 Custom
 High Alarm Level: _____ mA (must be between 21.0 and 23.0 mA)
 Low Alarm Level: _____ mA (must be between 3.5 and 3.75 mA)
 High Saturation Level: _____ mA (must be between 20.5 mA and the High Alarm Value minus 0.1 mA)
 Low Saturation Level: _____ mA (must be between the Low Alarm Value plus 0.1 mA and 3.9 mA)

★ = Standard configuration when no sensor is ordered in the model number

Rosemount 248

Product Data Sheet
00813-0100-4825, Rev FA
Catalog 2006 - 2007

Notes

Product Data Sheet

00813-0100-4825, Rev FA
Catalog 2006 - 2007

Rosemount 248

*Rosemount and the Rosemount logotype are registered trademarks of Rosemount Inc.
HART is a registered trademark of the HART Communication Foundation.
Teflon is a registered trademark of E.I. du Pont de Nemours & Co.
Inconel is a registered trademark of International Nickel Co.
Noryl is a registered trademark of General Electric.
All other marks are the property of their respective owners.*

Emerson Process Management

Rosemount Inc.

8200 Market Boulevard
Chanhassen, MN 55317 USA
T (U.S.) 1-800-999-9307
T (International) (952) 906-8888
F (952) 949-7001

www.rosemount.com



Emerson Process Management

Heath Place
Bognor Regis
West Sussex PO22 9SH
England
T 44 (0) 1243 863121
F 44 (0) 1243 867554

Emerson Process Management Asia

Pacific Private Limited

1 Pandan Crescent
Singapore 128461
T (65) 6777 8211
F (65) 6777 0947
Enquiries@AP.EmersonProcess.com



EMERSON
Process Management