

Configuration Data Sheet

March 2016
00806-0300-4728, Rev BA

Rosemount 644

Rosemount™ 644 PROFIBUS® PA and FOUNDATION™ Fieldbus Configuration Data Sheet

BOLD = Required Value

*= Default

Select only one of the items provided

Customer Information	
Customer: _____	Name: _____
Phone no.: _____	Fax no./email: _____
P.O./reference no.: _____	P.O. line item: _____
Quote no. _____	Model no.: _____
Customer sign-off: _____	

Tagging
Software tag: _____ (13 characters maximum)
Physical device tag: _____ (13 characters maximum)

Sensor configuration			
Sensor tag: _____			
RTDs	Thermocouples	Other sensor types	Measurement range
<input type="radio"/> Pt 100* ($\alpha = 0.00385$) IEC	<input type="radio"/> Type B NIST	<input type="radio"/> mV	Upper range value (100%)
<input type="radio"/> Pt 200 ($\alpha = 0.00385$) IEC	<input type="radio"/> Type E NIST	<input type="radio"/> Ohm	_____ (100 °C*)
<input type="radio"/> Pt 500 ($\alpha = 0.00385$) IEC	<input type="radio"/> Type J NIST		Lower range value (0%)
<input type="radio"/> Pt 1000 ($\alpha = 0.00385$) IEC	<input type="radio"/> Type K NIST		_____ (0 °C*)
<input type="radio"/> Pt 100 ($\alpha = 0.003916$) JIS	<input type="radio"/> Type N NIST		
<input type="radio"/> Pt 200 ($\alpha = 0.003916$) JIS	<input type="radio"/> Type R NIST		
<input type="radio"/> Ni 120 Edison Curve No. 7	<input type="radio"/> Type S NIST		
<input type="radio"/> Cu 10 Edison Copper Winding No. 15	<input type="radio"/> Type T NIST		
<input type="radio"/> Pt 50 ($\alpha = 0.00391$) GOST 6651-94	<input type="radio"/> Type L DIN		
<input type="radio"/> Pt 100 ($\alpha = 0.00391$) GOST 6651-94	<input type="radio"/> Type U DIN		
<input type="radio"/> Cu 50 ($\alpha = 0.00426$) GOST 6651-94	<input type="radio"/> Type W5Re/W26Re ASTM		
<input type="radio"/> Cu 50 ($\alpha = 0.00428$) GOST 6651-94	<input type="radio"/> Type L GOST		
<input type="radio"/> Cu 100 ($\alpha = 0.00426$) GOST 6651-94			
<input type="radio"/> Cu 100 ($\alpha = 0.00428$) GOST 6651-94			
<input type="radio"/> Transmitter-Sensor Matching (C2 Option)			



Rosemount 644

March 2016

Sensor configuration						
Number of leads	<input type="radio"/> 2-wire	<input type="radio"/> 3-wire	<input type="radio"/> 4-wire*			
Units	<input type="radio"/> mV	<input type="radio"/> Ohms	<input type="radio"/> K	<input type="radio"/> °R	<input type="radio"/> °C*	<input type="radio"/> °F

Display options	
<input type="radio"/> Sensor 1*	<input type="radio"/> Terminal temperature

Global Headquarters

Emerson Process Management

6021 Innovation Blvd.
Shakopee, MN 55379, USA
☎ +1 800 999 9307 or +1 952 906 8888
☎ +1 952 949 7001
✉ RFQ.RMD-RCC@EmersonProcess.com

North America Regional Office

Emerson Process Management

8200 Market Blvd.
Chanhassen, MN 55317, USA
☎ +1 800 999 9307 or +1 952 906 8888
☎ +1 952 949 7001
✉ RMT-NA.RCCRFQ@Emerson.com

Latin America Regional Office

Emerson Process Management

1300 Concord Terrace, Suite 400
Sunrise, FL 33323, USA
☎ +1 954 846 5030
☎ +1 954 846 5121
✉ RFQ.RMD-RCC@EmersonProcess.com

Europe Regional Office

Emerson Process Management Europe GmbH

Neuhofstrasse 19a P.O. Box 1046
CH 6340 Baar
Switzerland
☎ +41 (0) 41 768 6111
☎ +41 (0) 41 768 6300
✉ RFQ.RMD-RCC@EmersonProcess.com

Asia Pacific Regional Office

Emerson Process Management Asia Pacific Pte Ltd

1 Pandan Crescent
Singapore 128461
☎ +65 6777 8211
☎ +65 6777 0947
✉ Enquiries@AP.EmersonProcess.com

Middle East and Africa Regional Office

Emerson Process Management

Emerson FZE P.O. Box 17033
Jebel Ali Free Zone - South 2
Dubai, United Arab Emirates
☎ +971 4 8118100
☎ +971 4 8865465
✉ RFQ.RMTMEA@Emerson.com

Questions? **TRANSCAT**
Trust in every measure

[Contact Our Rosemount Configuration Specialist](#)

Standard Terms and Conditions of Sale can be found at:

Emerson.com/en-us/pages/Terms-of-Use.aspx

The Emerson logo is a trademark and service mark of Emerson Electric Co. Rosemount and Rosemount logotype are trademarks of Emerson Process Management.

PROFIBUS is a registered trademark of PROFINET International (PI).

FOUNDATION Fieldbus is a trademark of the FieldComm Group.

All other marks are the property of their respective owners.

© 2016 Emerson Process Management. All rights reserved.