

**Flowmeter Specification Sheet**

00806-0100-4485, Rev AA

April 2013

**Rosemount DP Flow**

**Rosemount DP Flowmeter Specification Sheet**

	Differential Pressure Flowmeters				SHEET _____ OF _____		
	NO	BY	DATE	REVISION	SPEC. NO.	REV.	
					CONTRACT	DATE	
					REQ. - P.O.		
					BY	CHK'D	APPR

General	1	Tag Number			
	2	Service			
	3	Line No./ Meter Location			
Process Conditions	4	Line Size and Pipe Schedule <u>OR</u> Pipe ID and Wall Thickness			
	5	Pipe Material			
	6	Pipe Orientation			
	7	Fluid Name			
	8	Fluid State			
	9	Minimum Flow			
	10	Normal Flow			
	11	Maximum Flow			
	12	Normal Pressure			
	13	Normal Temperature			
	14	Base Pressure			
	15	Base Temperature			
	16	Specific Gravity at Base			
	17	Operating Specific Gravity			
	18	Mol. Weight	Cp/Cv		
	19	Operating Viscosity			



# Rosemount DP Flow

SHEET \_\_\_\_\_ OF \_\_\_\_\_

Select Primary Element	20	Check one and fill in corresponding information below: <input type="checkbox"/> Orifice Plate <input type="checkbox"/> Averaging Pitot Tube <input type="checkbox"/> Other: _____		
	21	Integral Temperature <input type="checkbox"/> Yes <input type="checkbox"/> No		
Orifice Primary Element	22	Check one: <input type="checkbox"/> Standard (one hole plate) <input type="checkbox"/> Conditioning (multi-hole plate)		
	23	Beta = d/D		
	24	Orifice Bore Diameter		
	25	Plate Material		
	26	Vent or Drain Hole		
	27	Plate Thickness		
	28	Connection Type		
	29	Plate Type		
	30	Tap Type		
	31	Flange Type		
	32	Flange Rating		
	33	Flange Material		
	34	Standard (AGA, etc)		
Averaging Pitot Tube Primary Element	35	Sensor Material		
	36	Sensor Size		
	37	Mounting Style _____ Check all that apply: <input type="checkbox"/> Compression Sealing Mechanism <input type="checkbox"/> Opposite Side Support Required <input type="checkbox"/> Flanged - Flange Rating _____ <input type="checkbox"/> Threaded <input type="checkbox"/> Hot-Tap		
Other Primary Element	38	Body Material		
	39	Wetted Material		
	40	Pressure Rating		
	41	Tap Type		
	42	Beta Ratio		
	43	Bore Size		
	44	Throat Size		
	45	Flow Coefficient		
	46	Standard (AGA, etc)		
47	Other Information:			

# Flowmeter Specification Sheet

00806-0100-4485, Rev AA

April 2013

# Rosemount DP Flow

		SHEET _____ OF _____			
<i>Secondary Instrument (Transmitter)</i>	48	<i>Secondary Instrument Tag</i>			
	49	<i>Transmitter Mounting</i> Check one: <input type="checkbox"/> <i>Direct Mount</i> <input type="checkbox"/> <i>Remote Mount</i>			
	50	<i>Transmitter Type – Check one and fill out the corresponding calibration information below:</i> <input type="checkbox"/> <i>Mass or Energy Flow<sup>(1)</sup> - Compensation Level _____</i> <input type="checkbox"/> <i>Differential Pressure</i>			
	51	<i>Body Material</i>			
	52	<i>Wetted Material</i>			
	53	<i>Pressure Rating</i>			
	54	<i>Temperature Rating</i>			
<i>Flowmeter Calibration</i>	55	<i>Differential Pressure</i>	<i>LRV= _____</i>	<i>URV= _____</i>	<i>Units= _____</i>
	56	<i>Pressure</i>	<i>LRV= _____</i>	<i>URV= _____</i>	<i>Units= _____</i>
	57	<i>Temperature</i>	<i>LRV= _____</i>	<i>URV= _____</i>	<i>Units= _____</i>
<i>Notes</i>					

(1) Transmitter that provides real-time fully compensated mass, energy, and totalized flow by measuring differential pressure, static pressure, and process temperature

# Rosemount DP Flow

---

*Standard Terms and Conditions of Sale can be found at [www.rosemount.com/terms\\_of\\_sale](http://www.rosemount.com/terms_of_sale)  
The Emerson logo is a trade mark and service mark of Emerson Electric Co.  
Rosemount and the Rosemount logotype are registered trademarks of Rosemount Inc.  
All other marks are the property of their respective owners.  
© 2013 Rosemount, Inc. All rights reserved.*

**Emerson Process Management  
Rosemount Measurement**  
8200 Market Boulevard  
Chanhassen MN 55317 USA  
Tel (USA) 1 800 999 9307  
Tel (International) +1 952 906 8888  
Fax +1 952 906 8889

**Emerson Process Management**  
Blegistrasse 23  
P.O. Box 1046  
CH 6341 Baar  
Switzerland  
Tel +41 (0) 41 768 6111  
Fax +41 (0) 41 768 6300

**Emerson FZE**  
P.O. Box 17033  
Jebel Ali Free Zone  
Dubai UAE  
Tel +971 4 811 8100  
Fax +971 4 886 5465

**Emerson Process Management Asia Pacific  
Pte Ltd**  
1 Pandan Crescent  
Singapore 128461  
Tel +65 6777 8211  
Fax +65 6777 0947  
Service Support Hotline : +65 6770 8711  
Email : [Enquiries@AP.EmersonProcess.com](mailto:Enquiries@AP.EmersonProcess.com)

**Emerson Process Management  
Latin America**  
1300 Concord Terrace, Suite 400  
Sunrise Florida 33323 USA  
Tel + 1 954 846 5030