



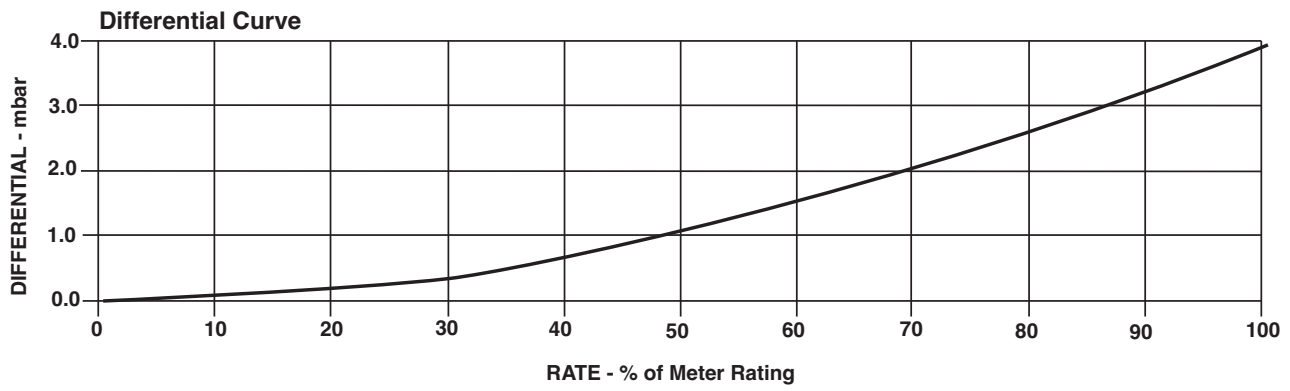
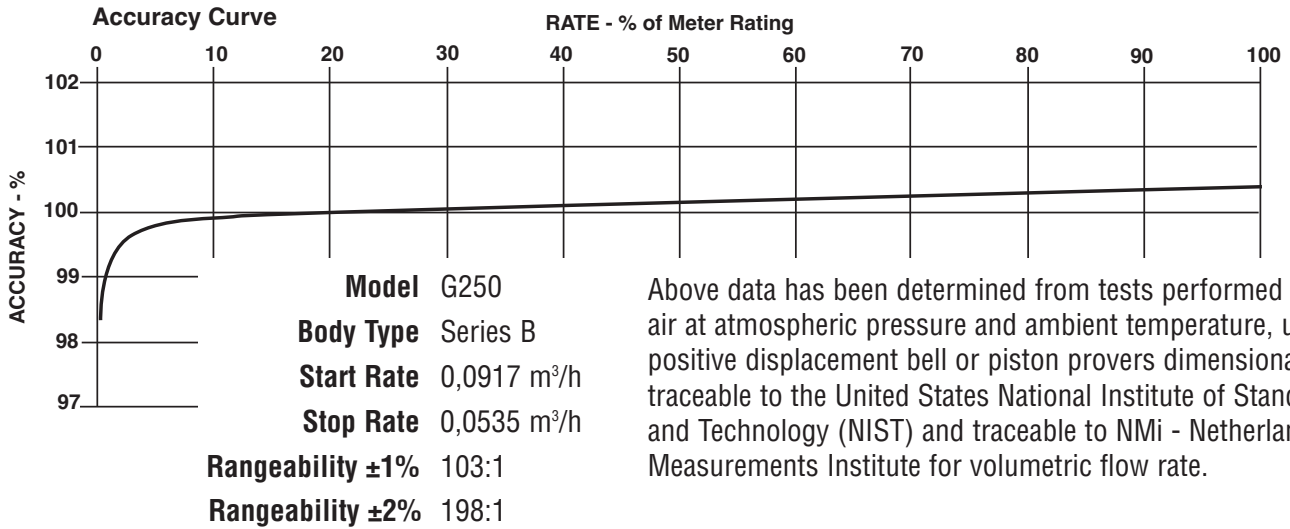
## SERIES B3: G250 ROOTS® Meter

	<b>UNITS</b>	<b>Metric/DIN</b>	<b>UNITS</b>	<b>Metric/ANSI</b>
Temperature Range	deg. C	-40 to +60	deg. C	-40 to +60
Base Rating (Q Max.)	m <sup>3</sup> /h	400,0	m <sup>3</sup> /h	400,0
Max. Operating Pressure (MAOP)	bar	12	bar	12
Leak Test (125% MAOP)	bar	15	bar	15
Static Test (2 x MAOP)	bar	24	bar	24
Rangeability +/- 1%	ratio	103:1	ratio	103:1
Rangeability +/- 2%	ratio	198:1	ratio	198:1
Start Rate	m <sup>3</sup> /h	0,0917	m <sup>3</sup> /h	0,0917
Stop Rate	m <sup>3</sup> /h	0,0535	m <sup>3</sup> /h	0,0535
Flow Rate @ 1,25 mbar, Gas	m <sup>3</sup> /h	281,8	m <sup>3</sup> /h	281,8
Avg. Differential, 100% Flow	mbar	3,9	mbar	3,9
Max. Pressurization Rate	kPa/sec	35	kPa/sec	35
Max. Operating Speed	rpm	1590	rpm	1590
Gear Ratio	ratio	238,2352:1	ratio	238,2352:1
Displaced Volume/Revolution	m <sup>3</sup>	0,004195	m <sup>3</sup>	0,004195
Drive Rate, CD	m <sup>3</sup> /rev	1,0	m <sup>3</sup> /rev	1,0
Min. Odometer Reading	m <sup>3</sup>	0,020	m <sup>3</sup>	0,020
Odometer Turnover	yrs.	2,85	yrs.	2,85
Nominal Pipe Size	mm	100	mm	100
Flange-to-Flange	mm	241,3	mm	241,3
Flange Connection	DIN	DN 100	ANSI	150#FF
Bolts per Flange	qty.	8	qty.	8
Bolt Size <sup>1</sup>	mm	M16	in.	3/4 - 10
Flange Bolt Hole Depth	mm	23,8	mm	23,8
Bolt Torque: Lubricated/Non-Lub.	N-m	74/81	N-m	74/81
Restricting Orifice (120%)	mm	26,194	mm	26,194
Oil Capacity - Side Inlet	ml	89	ml	89
Oil Capacity - Top Inlet	ml	648	ml	648
<i>Counter Version (CTR)<sup>2</sup></i>				
Net Weight	kg	39	kg	39
Shipping Weight	kg	43	kg	43
Carton Size	cm	86 x 33 x 31	cm	86 x 33 x 3
<i>Counter with Instrument Drive (CD)<sup>2</sup></i>				
Net Weight	kg	40	kg	40
Shipping Weight	kg	44	kg	44
Carton Size	cm	97 x 38 x 41	cm	97 x 38 x 41

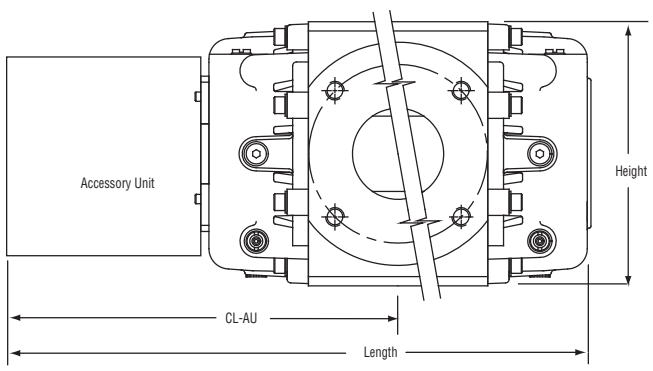
### NOTES:

<sup>1</sup> Bolt Length varies by application.

<sup>2</sup> Weights and dimensions available for CPS upon request.



G250 Series B3	Overall Length		Overall Height		Width (Flange/Flange)		Centerline to Accessory End (CL-AU)		Request Detailed Drawing Number
	inches	mm	inches	mm	inches	mm	inches	mm	
CTR	26-7/16	672	8-7/8	225	9-1/2	241	15-13/16	401	D054518-000
CD	29-27/32	758	8-7/8	225	9-1/2	241	19-7/32	488	D054432-000
ICPS	27-9/16	700	8-7/8	225	9-1/2	241	16-15/16	430	D056901-000
IMC/C2	31-7/16	798	8-7/8	225	9-1/2	241	19-1/16	484	D056487-000
IMC/W2	32-7/16	824	8-7/8	225	9-1/2	241	21-13/16	554	D056703-000



**To order**

Specify: Meter Series, Size and Type (i.e., ROOTS Meter Series B3 G250 CD).  
 For CD, specify Inlet (Top or Side) and ID Rotation (CW-B or CCW-A).  
 For Pulsar, specify Single or Dual Connectors and Connector Type (MS Circular, Conduit or Cable Gland).  
 For more specific ordering information on the electronic products, request: TS:SSP, TS:IMC/C2, or TS:IMC/W2.  
 Contact the factory for other available information, options, or special requests.

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