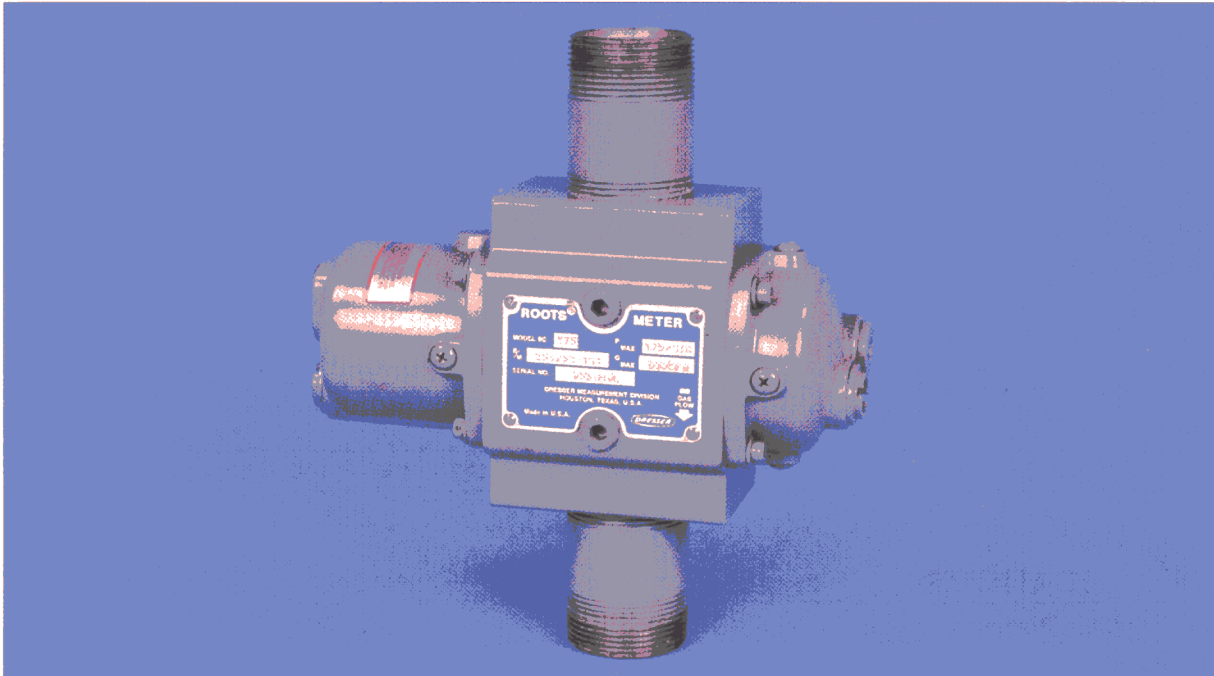


# MODEL 8C175 CTR ROOTS® METER

Specification  
S: LM-8C



The smallest, lightest and most versatile rotary gas meter ever produced, the 8C175 CTR ROOTS® Meter. Permanent accuracy, rugged construction, wide rangeability and simple field testing add up to the best investment in gas measurement equipment your company can make.

## **features...**

- *Lightweight aluminum construction*
- *Rugged hard coated cylinder, hardplates and impellers*
- *Compact Size*
- *Multi-Position Mounting*
- *175 PSIG (1200 kPa) Working Pressure*
- *Low Maintenance—generally a simple oil and differential check*
- *Long-Service Life—over 90% of all ROOTS® Meters sold are still in service*
- *Simple Installation—1 1/2" NPT male connections*
- *Capacity increases directly with pressure factor*
- *Available in English and Metric*

## **testing...**

- *All units subjected to rigorous hydrostatic, leak, starting and running differential tests*
- *Accuracy and differential data furnished for 100% and 10% of rated capacity from positive displacement bell provers*

**LIGHTER...SMALLER...MORE VERSATILE  
ROOTS® METERS  
The Standard of Measurement**

## CAPACITIES:

ENGLISH—ATM. PRESS. = 14.4 PSIA, BASE = 14.73 PSIA, BASE TEMP. = 60°F.											
PRESSURE (PSIG)	0	1	5	15	25	50	75	100	125	150	175
CAPACITY (SCFH)	800	840	1050	1600	2140	3500	4860	6210	7570	8930	10300

METRIC—ATM. PRESS. = 101.325 kPa, BASE = 101.325 kPa BASE TEMP. = 15°F.											
PRESSURE (kPa)	0	15	50	100	200	400	500	700	860	1000	1200
CAPACITY (Sm <sup>3</sup> /h)	22.6	26	34	45	67	112	134	179	215	245	290

METRIC—ATM. PRESS. = 1.01325 BAR, BASE = 101.325 BAR BASE TEMP. = 15°C.											
PRESSURE (kPa)	0	.15	.5	1	2	4	5	7	8.6	10	12.0
CAPACITY (Sm <sup>3</sup> /h)	22.6	26	34	45	67	112	135	180	215	245	290

METRIC—ATM. PRESS. = 1.0332 Kg/cm <sup>2</sup> , BASE = 1.0332 Kg/cm <sup>2</sup> , BASE TEMP. = 15°C.											
PRESSURE (kPa)	0	.15	.5	1	2	4	5	7	8.6	10	12.0
CAPACITY (Sm <sup>3</sup> /h)	22.6	26	34	45	67	112	135	180	215	245	29

## SPECIFICATIONS:

	ENGLISH	METRIC
Max. Working Pressure	175 PSIG	1200 kPa
Connection Size	1 1/2" NPT, Male Thread	1 1/2" NPT, Male Thread
Weight	6 Pounds	2.72 Kg
Temp. Range	-40°F to +140°F.	-40°C to +60°C.
Oil Level Gauge	Bull's-Eye On End Covers	Bull's-Eye On End Covers
Oil Capacity (Top Inlet)	.95 oz.	28 ml
Oil Type	Versa Temp #2	Versa Temp #2
Differential Taps	1/4" NPT	1/4" NPT
Mounting	Top, Side or Bottom Inlet	Top, Side or Bottom Inlet
Impeller Type	Figure "8" Lobed	Figure "8" Lobed

## PHYSICAL DIMENSIONS:

Length	8-9/16 Inches	21.7 cm
Width	3-5/16 Inches	8.4 cm
Height	9-11/16 Inches (approx.)	24.6 cm
Construction	Hard Coat Anodized Aluminum Impellers, Headplates and Cylinder	Hard Coat Anodized Aluminum Impellers, Headplates and Cylinder
Counter	5 Digit with Reading x 100 = ACF 1 ACF Test Increment	7 Digit with Reading x 1 = m <sup>3</sup> 0.02m <sup>3</sup> Test Increment

Ordering Information: Specify Meter Model (i.e. 8C CTR) (Top Inlet Standard)

**DMD DRESSER**  
A Halliburton Company

**ROOTS®**  
Measurement  
Products

**POWER EQUIPMENT CO.**

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