

GBT, GIT & GNT PRECISION METERS

Model GNT NPT Fitting



GNT shown here
with Local Display



For complete part number,
see "Number Reference" chart on page 5.

ACCURACY: ± 0.5%

Select Your Meter Size:

1/2 inch	1 inch	2 inch
3/4 inch	1-1/2 inch	3 inch



For Your Special Application Needs:

Model GNT HT

For High Temperatures
(This model is not available in 3 inch)



Sensor Options:

- Low Drag Pickup (1/2 in. turbines)
- Standard Pickup (3/4 to 3 in. turbines)

Electronics Options:

- GG510 (Display with Pulse Output)
- GX510 (Display with 4-20 mA Output)
- GA510 (4-20 mA Output)
- SC510 (Scaled Pulse Output)

SPECIFICATIONS

Design Type:	Turbine				
Housing Material:	316 Stainless Steel				
Meter Sizes Available:					
For GNT: NPT Taper (Male)	1/2"	3/4"	1"	1-1/2"	2" 3"
For GBT: BSPP + (Male)	1/2"	3/4"	1"	1-1/2"	2" 3"
For GIT: ISO Taper (Male)	1/2"	3/4"	1"	1-1/2"	2" 3"
For High Temperature*:	1/2"	3/4"	1"	1-1/2"	2" —
Flow Range:	1/2" (051)	0.8 - 6.0 GPM	(3.0 - 22 LPM)		
	3/4" (075)	1.6 - 16 GPM	(6.0 - 60 LPM)		
	3/4" (075E)	2.3 - 23 GPM	(8.7 - 87 LPM)		
	1" (100)	6.7 - 67 GPM	(25.2 - 252 LPM)		
	1-1/2" (150)	17.7 - 177 GPM	(67.0 - 670 LPM)		
	2" (200)	33 - 330 GPM	(125.0 - 1250 LPM)		
	3" (300)	60 - 600 GPM	(227.1 - 2271 LPM)		
Accuracy (Linearity):	± 0.5%				
Repeatability:	± 0.1%				
Pressure Rating:	1/2" to 2" = 5,000 PSI / 340 BAR 3" = 2,500 PSI / 170 BAR				
Operating Temperature Range:					
For Tungsten Carbide:	-100° F to +225° F (-74° C to +107° C)				
For High Temperature*:	-450° F to +800° F (-268° C to +426° C)				
Typical K-Factor:	1/2" (051)	10,000			
	3/4" (075)	3,750			
	3/4" (075E)	2,608			
	1" (100)	896			
	1-1/2" (150)	340			
	2" (200)	181			
	3" (300)	50			
Wetted Materials:					
Housing:	316 Stainless Steel				
Sleeve Bearings:	Tungsten Carbide				
Thrust Bearing:	Tungsten Carbide				
Shaft:	Tungsten Carbide				
Rotor:	CD4MCu Stainless Steel				
Rotor Supports:	316 Stainless Steel				
Recommended Strainer Size:					
	1/2"	40 mesh			
	3/4"	40 mesh			
	1"	40 mesh			
	1-1/2"	18 mesh			
	2"	14 mesh			
	3"	14 mesh			
Frequency Output:	1/2" (051)	125 - 1000 Hz			
	3/4" (075)	100 - 1000 Hz			
	3/4" (075E)	100 - 1000 Hz			
	1" (100)	100 - 1000 Hz			
	1-1/2" (150)	100 - 1000 Hz			
	2" (200)	100 - 1000 Hz			
	3" (300)	50 - 500 Hz			

* Requires High Temp Pickup.
* ISO 228-1 designation is G.