

# QA Quantometer Gas Turbine Meter

The QA meter offers the ultimate in compactness and accuracy to continuously monitor and control fuel and process gas consumption. Suitable for working pressures up to 175 psig, QA Quantometers are available for line sizes 1" through 3" and can be supplied with either English or metric registration.



## Features

- Lightweight, aluminum construction reduces installation costs.
- Permanently lubricated bearings eliminate regular maintenance.
- Rugged mechanical index rotatable through 360° accommodates any installation requirements.
- Low- and high-frequency pulse outputs allow remote instruments to be field retrofitted at a later date.
- Direct read odometer index reduces meter reading errors
- Vertical or horizontal mounting suitable for burner train installations.

## Advantages

- Great for industrial in-plant measurement of natural gas, nitrogen, and other industrial gases.
- Safe intermittent load up to 160% of Qmax.
- Gas temperature range = 15° to 140°F
- Ambient temperature range = 0° to 160°F
- Accuracy:
  - Q min – 0.2 Q max = ± 3
  - 0.2 Q max – Q max = ± 1.5%

## Applications

The Elster American Meter Quantometer QA Series of Gas Turbine Meters is designed specifically for in-plant measurement use.



elster  
Meter Services

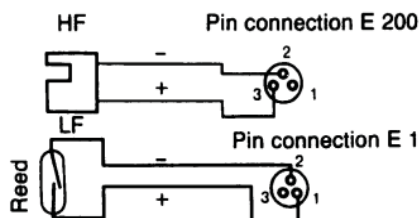
## SCFH Capacity Data

Pressure PSIG	QA10/560		QA16/880		QA25/1500		QA40/2300		QA65/3500		QA100/5600		QA160/8800		QA250/14000	
	Qmin	Qmax	Qmin	Qmax	Q min	Q max	Q min	Q max	Q min	Q max	Q min	Q max	Q min	Q max	Q min	Q max
0.25	56	560	70	880	88	1,500	116	2,300	212	3,500	353	5,600	450	8,800	705	14,000
1	59	589	74	925	93	1,577	122	2,418	223	3,679	371	5,887	473	9,251	741	14,717
2	63	627	78	985	99	1,679	130	2,575	237	3,918	395	6,269	504	9,851	789	15,672
5	74	742	93	1,165	117	1,986	154	3,046	281	4,635	467	7,416	596	11,653	934	18,539
10	93	933	117	1,466	147	2,498	193	3,831	353	5,829	588	9,327	749	14,657	1,174	23,317
15	112	1,124	140	1,766	177	3,010	233	4,616	425	7,024	708	11,238	903	17,660	1,415	28,096
20	131	1,315	164	2,066	207	3,522	272	5,401	498	8,218	829	13,149	1,057	20,663	1,655	32,874
25	151	1,506	188	2,367	237	4,034	312	6,186	570	9,413	949	15,061	1,210	23,667	1,896	37,652
30	170	1,697	212	2,667	267	4,546	352	6,971	643	10,608	1,070	16,972	1,364	26,670	2,137	42,430
40	208	2,079	260	3,268	327	5,570	431	8,541	787	12,997	1,311	20,795	1,671	32,677	2,618	51,986
50	246	2,462	308	3,868	387	6,594	510	10,111	932	15,386	1,552	24,617	1,978	38,684	3,099	61,543
60	284	2,844	355	4,469	447	7,618	589	11,681	1,077	17,775	1,793	28,440	2,285	44,691	3,580	71,099
75	342	3,417	427	5,370	537	9,154	708	14,035	1,294	21,358	2,154	34,173	2,746	53,701	4,302	85,433
100	437	4,373	547	6,872	687	11,713	906	17,960	1,655	27,331	2,757	43,730	3,514	68,718	5,505	109,324
125	533	5,329	666	8,374	837	14,273	1,104	21,885	2,017	33,304	3,359	53,286	4,282	83,735	6,708	133,215
150	628	6,284	786	9,875	988	16,833	1,302	25,810	2,379	39,276	3,961	62,842	5,050	98,752	7,911	157,106
175	724	7,240	905	11,377	1,138	19,392	1,500	29,735	2,741	45,249	4,564	72,399	5,818	113,769	9,114	180,997

## Pulse Transmitter

Meter Model	Pulses/Unit		
	HF/E200 FT 3	LF/E1 FT 3	Fmax/E200 FT 3
QA10	500	1	78
QA16	500	1	122
QA25	500	1	210
QA40	25	.1	16
QA65	25	.1	25
QA100	2.5	.01	4
QA160	2.5	.01	6
QA250	2.5	.01	10

E200 = Inductive Proximity Switch Note: The E200 proximity switch must be connected to a separate WE77/EX-1, WE77/EX1-OT or equivalent switching amplifier interface circuit.  
E1 = Reed Switch



## Dimensional Data

Model	Figure	Connections	A (in.)	B (in.)	C (in.)	D (in.)	(lbs.)
QA10/560	1	1" FNPT	9.45	7.28	4.53	6.25	2.2
QA16/880	1	1" FNPT	9.45	7.28	3.54	5.20	2.2
QA25/1500	1	1" FNPT	9.45	7.28	3.54	5.20	2.2
QA40/2300	2	1-1/2" FNPT	7.48	4.98	5.91	7.95	4.9
QA65/3500	3	2" wafer, ANSI 150	2.36	-	5.91	7.95	3.1
QA100/5600	3	3" wafer, ANSI 150	4.72	-	5.91	8.86	11.7
QA160/8800	3	3" wafer, ANSI 150	4.72	-	5.91	8.86	11.7
QA250/14000	3	4" wafer, ANSI 150	5.91	-	6.50	9.65	15.0

Figure 1

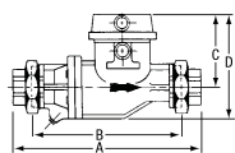


Figure 2

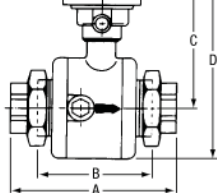
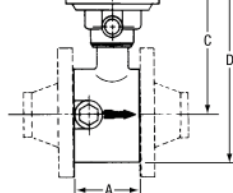


Figure 3



## About Elster Group

A world leader in advanced metering infrastructure, integrated metering, and utilization solutions to the gas, electricity and water industries. Elster's metering and system solutions reflect over 170 years of knowledge and experience in measuring precious resources and energy.

Elster provides solutions and advanced technologies to help utilities more easily, efficiently and reliably obtain and use advanced metering intelligence to improve customer service, enhance operational efficiency, and increase revenues. Elster's AMI solutions enable utilities to cost-effectively generate, deliver, manage, and conserve the life-essential resources of gas, electricity, and water.

Elster has a staff of over 7,500 serving customers globally in North America, Central America, South America, Europe, Asia, Africa and the Middle East.

ISO 9001:2000

Elster American Meter  
2221 Industrial Road  
Nebraska City, NE  
68410  
USA

T +1 402 873 8200  
F +1 402 873 7616

www.elster-americanmeter.com

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