

## RADIAL-BLADE TURBINE GAS METER, A REVOLUTIONARY CONCEPT WITH MANY ADVANTAGES

Radial-Blade Turbine Gas Meter



Over-run Brake



Monopipe fitting

### Radial-Blade Turbine Gas Meter

- The gas meter need not to be built-in until measurement is required
- Meter sizes: from G 16 up to G 400 (fiscal measures)  
From Q 16 up to Q 400 (industrial measures)
- Measuring range: 3-650m<sup>3</sup>/h  
Four different pulse generators:  
- 2 x NF (low frequent)  
- 1 x MF (middle frequent)  
- 1 x HF (high frequent)
- There is a solution for every demand:  
for fiscal and industrial applications and for measuring sewer gas.
- Completed with pressure plug.

### Over-run brake (option)

- Suppression of the after-running error at intermittent operation (on-off) without restriction of the measuring range.

### Monopipe fitting

- Component of the pipeline.
- Flanged DN 50 - DN 80 - DN 100
- Threaded G 1 1/2" and G 2"
- In preparation of the measuring point the monopipe fitting can be fitted in advance in the pipeline with an overflow cap or lid cap
- Optional pocket for temperature sensor

### Installation and maintenance

- Can be installed in any position from horizontal to vertical.
- Simple exchange of the meters on site. Monopipe fitting remains on the line.
- The heavyweight monopipe adaptor allows a strain-free meter installation.

### Four applications

**TRZ** For measurements requiring obligatory verification.

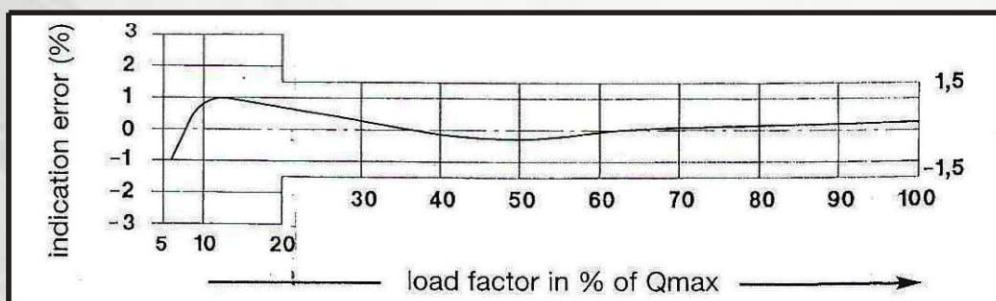
**EQZ** For internal and industrial measurements.

**EQZK** For measuring sewer gas (ex. biogas)

**With over run brake** The brake is immediately actuated and stops the metering wheel within a few seconds when the gas flow is stopped by closure of a valve.

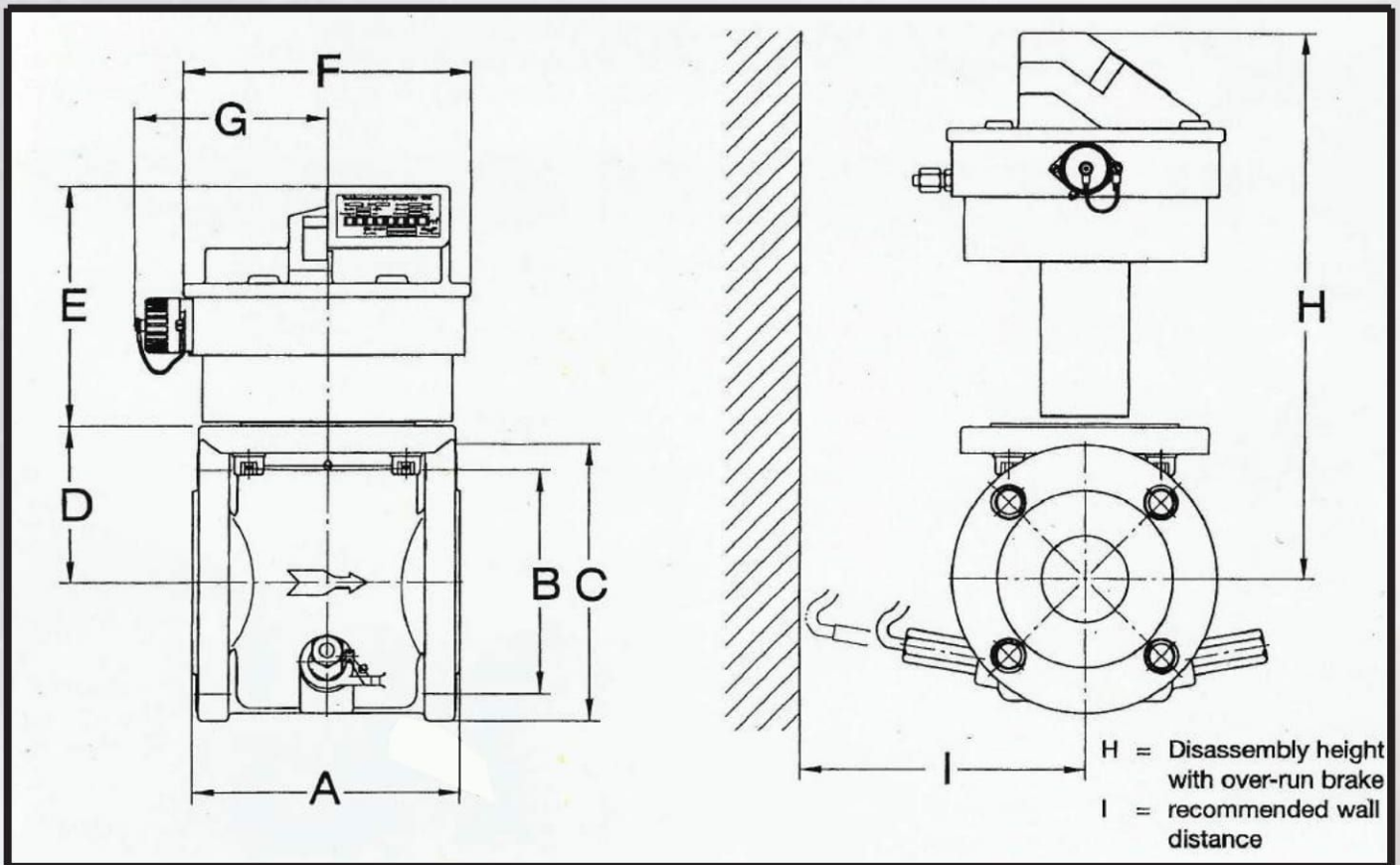
## EQZ radial turbine gas meter for industrial applications (without monopipe)

Code	mm.	Sizes	m <sub>3</sub> /h	m <sub>3</sub> /h	Bar
CTT 289350	50	Q 16	3	25	6
CTT 319350	50	Q 25	4	40	6
CTT 349350	50	Q 40	5	65	6
CTT 379350	50	Q 65	6	100	6
CTT 409350	50	Q 100	10	160	6
CTT 379380	80	Q 65	10	100	6
CTT 409380	80	Q 100	12	160	6
CTT 439380	80	Q 160	15	250	6
CTT 469380	80	Q 250	20	400	6
CTT 409385	100	Q 100	13	160	6
CTT 439385	100	Q 160	15	250	6
CTT 469385	100	Q 250	20	400	6
CTT 499385	100	Q 400	25	650	6



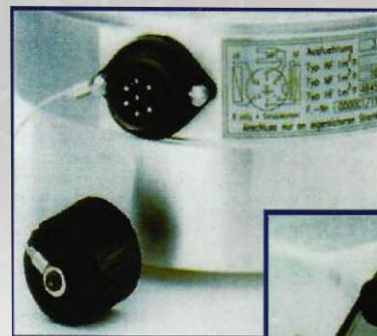


## Dimensional drawings



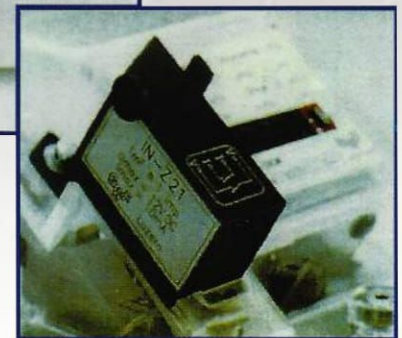
## Pulse generator (option)

mm.	1 pulse = m <sup>3</sup>	1 pulse = m <sup>3</sup>	1 pulse = m <sup>3</sup>	at Qmax (Hz)
50	1	1	0.01	350
50	1	1	0.01	550
50	1	1	0.01	850
50	1	1	0.01	1300
50	1	1	0.01	1300
80	1	1	0.01	200
80	1	1	0.01	320
80	1	1	0.01	500
80	1	1	0.01	800
100	1	1	0.01	280
100	1	1	0.01	440
100	1	1	0.01	380
100	1	1	0.01	610



Three integrated pulse generators possible: 1NF, 1MF and 1HF pulse generator.

Retrofitable NF puls generator mountable without damaging the verification seal of the meter.



## Dimensions and weights monopipe fittings and gas meter TRZ-EQZ

Monopipe fitting		Dimension										Weight Kg	
Pipe connections	Meter	Flange (F)	A	B	C	D	E	F	G	H	I	Meter element	Monopipe
G 2"	DN 50	PN 4 - G	185	-	-	70	136	161	109	-	150	3.3	3.1
G 2"	DN 50	PN 4 - G	185	-	-	87	134	161	109	332	150	3.3	5.8
DN 50	DN 50	PN 16 - F	150	125	165	87	134	161	109	332	150	3.3	10
DN 65	DN 50	PN 16 - F	340	145	185	87	134	161	109	332	150	3.3	13
DN 80	DN 50	PN 16 - F	380	160	200	87	134	161	109	332	150	3.3	16
DN 80	DN 80	PN 16 - F	240	160	200	120	150	190	115	423	200	5.9	16
DN 100	DN 100	PN 16 - F	300	180	220	130	170	220	125	460	200	9.1	24.2