

Detector tube No. 185, Hydrazine, Instruction Manual Correction

Gastec Corporation

We would like to apologize for the error discovered in the Detector Tube, No. 185, Hydrazine, Instruction Manual regarding the Correction Factor.

We have corrected the error in the Correction Factor, and also changed the associated Measuring Range.

●Details of the correction to the Instruction Manual:

Before the correction:

Measuring Range	0.05 – 0.1 ppm	0.1 – 2.0 ppm
Number of Pump Stroke (n)	10	5
Correction Factor	1/2	1

*The highlighted box is the Scale Range.

Relative Humidity	0~10%	30%	50%	70%	90%
Correction Factor	0.8	0.9	1.0	1.2	1.4

After the correction:

Measuring Range	0.04 – 0.1 ppm	0.1 – 2.0 ppm
Number of Pump Stroke (n)	10	5
Correction Factor	0.4	1

*The highlighted box is the Scale Range.

When the ambient humidity is 30 – 90%R.H.

Tube Reading (ppm)	True Concentration (ppm)								
	0°C (32°F)	5°C (41°F)	10°C (50°F)	15°C (59°F)	20°C (68°F)	25°C (77°F)	30°C (86°F)	35°C (95°F)	40°C (104°F)
2.0	2.6	2.4	2.3	2.2	2.0	1.7	1.6	1.5	1.3
1.5	2.1	2.0	1.8	1.7	1.5	1.3	1.2	1.1	1.0
1.0	1.5	1.4	1.3	1.2	1.0	0.92	0.85	0.79	0.71
0.5	0.80	0.74	0.67	0.59	0.50	0.48	0.44	0.41	0.36
0.2	0.33	0.31	0.28	0.24	0.20	0.19	0.18	0.16	0.15
0.1	0.17	0.16	0.14	0.12	0.10	0.10	0.09	0.08	0.07

When the ambient humidity is 0 – 20%R.H.

Relative Humidity	Temperature								
	0°C (32°F)	5°C (41°F)	10°C (50°F)	15°C (59°F)	20°C (68°F)	25°C (77°F)	30°C (86°F)	35°C (95°F)	40°C (104°F)
0%	1.7	1.68	1.65	1.45	1.25	1.23	1.2	1.1	1.0
10%	1.6	1.55	1.5	1.35	1.2	1.15	1.1	1.0	0.9
20%	1.54	1.4	1.35	1.25	1.1	1.0	0.9	0.85	0.76

We apologize for this error and thank you for your understanding.