Tube No.
770

HYDROGEN FULORIDE

1. PERFORMANCE

1) Measuring range ：0.05-1.0 ppm
2) Sampling time ：250mL/min × 10 min
3) Detectable limit ：0.02 ppm
4) Shelf life ：2 years
5) Operating temperature ：10～35℃
6) Temperature compensation ：Necessary（See "TEMPERATURE CORRECTION TABLE"）
7) Operating humidity ：20～80%R.H. (Humidity correction is necessary.)
8) Reading ：Direct reading from the scale calibrated at the sampling of 250mL/min x 10min
9) Colour change ：Yellow → Pink

2. RELATIVE STANDARD DEVIATION

RSD-low：10％ RSD-mid.：10％ RSD-high：10％

3. CHEMICAL REACTION

PH indicator is discoloured by Hydrogen fluoride.

4. CALIBRATION OF THE TUBE

ABSORPTIOMETRIC METHOD

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	ppm	Interference
Hydrogen chloride	0.1	Higher readings are given.
Nitric acid	0.1	〃
Sulphuric acid	0.5mg/m³	〃

(NOTE)
Air sampler is required for this tube.

TEMPERATURE/HUMIDITY CORRECTION TABLE

Relative Humidity (%)	Temperature					
	10℃ (50°F)	15℃ (59°F)	20℃ (68°F)	25℃ (77°F)	30℃ (86°F)	35℃ (95°F)
20	0.79	0.74	0.70	0.66	0.62	0.59
30	0.90	0.85	0.80	0.75	0.69	0.64
40	1.02	0.96	0.90	0.84	0.78	0.72
50	1.17	1.09	1.00	0.94	0.87	0.81
60	1.40	1.31	1.21	1.10	0.99	0.88
70	1.66	1.53	1.40	1.26	1.12	0.98
75	2.00	1.85	1.69	1.50	1.30	1.07
80	-	2.86	2.52	2.13	1.71	1.25

Actual concentration = Reading value x Correction factor for temperature and humidity