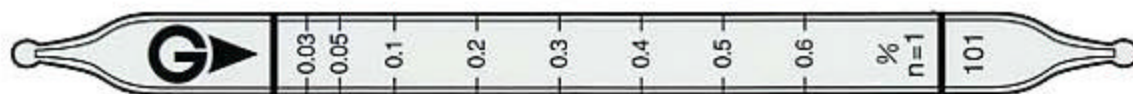


GasolineC_nHumidity
Correction_m**NO.101****Performance**

Measuring Range	0.015 to 0.03• “	0.03 to 0.6%	0.6 to 1.2%
Number of Pump Strokes	2	1	1/2
Correction Factor	1/2	1	2
Sampling Time	1 minute per pump stroke		
Detecting Limit	0.003% (n = 2)		
Color Change	Orange → Dark green		
Reaction Principle	Gasoline reduces potassium dichromate to form chromic sulfate, which is dark green in color $C_n\text{Humidity Correction}_m + K_2Cr_2O_7 + H_2SO_4 \longrightarrow Cr_2(SO_4)_3$		
Coefficient of Variation	10% (for 0.03 to 0.1 %), 5% (for 0.1 to 0.6 %)		
Shelf Life	3 Years		
Corrections for temperature & humidity	Unnecessary		
Store the tubes at cool and dark place.			

Possible coexisting substances and their interferences (NOTE)

Substance	Concentration	Interference	Change color by itself
Acetylene	3%	Yes	Produce dark brown to whole layer
Propane	0.2%	Yes	Produce dark brown to whole layer (≥2%)
Aromatic HCs	500 ppm	Plus error	Produce dark green (≥5000ppm)
Alcohols, Esters, Ethers	-	Plus error	Produce dark green
Halogenated HCs.	5000 ppm	Plus error	Produce dark green (≥5000ppm)
Hydrogen sulfide	500 ppm	Plus error	Produce dark green (≥5000ppm)
Sulfur dioxide	500 ppm	Plus error	Produce green (≥5000ppm)

Other substance measurable with this detector tube

Substance	Correction	No. of Pump Strokes	Measuring Range
Heptane	Factor: 1.0	1/2, 1 or 2	0.015 to 1.2%
Isooctane	Factor: 0.9	1	0.027 to 0.54%
Octane	Factor: 1.2	1	0.036 to 0.72%

Calibration gas generation Static gas dilution method

TLV-TWA	TLV-STEL	Explosive range
300ppm	500ppm	1.4 to 7.6%



© 2002 Nextteq LLC

Nextteq LLC – 8406 Benjamin Rd., Suite J, Tampa FL 33634, USA

Phone (toll free): 877-312-2333 Fax (toll free) 877-312-2444

[Policy Statement](#) and [Legal Notices](#)

Nextteq is Gastec's Exclusive U.S. Master Wholesale Distributor. Gastec tubes and pumps are manufactured by the Gastec Corporation.