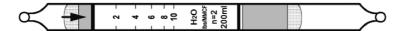


Water Vapor (Pipeline) H2O

No. N10-120-10

40/104

0.9



	Extended Range	Standard Range	Extended Range	
Range (lbs/MMCF)	1 - 5	2 - 10	4 - 20	
No. of Pump Strokes	4	2	1	
Sample Volume (MI)	400	200	100	
Sample Time (min) in air	4 x 1.5 min	2 x 1.5 min	1.5 min	
(sec) in natural gas	4 x 45 sec	2 x 45 sec	45 sec	
Correction Factor	0.51	1 2.	22	
recision (Relative Standard Deviation)*: ≤±12%				
<u>Linearity with No. of Pump Strokes</u> : I ² = 0.99				
<u>emperature Range:</u> 0 - 40°C (32 - 104°F)				

10/50

1.0

23/73

1.0

torage Life: 2 years in darkness at 5 - 25°C (40 - 77°F) Refrigeration preferred.

Color Change: Yellow → Green

Temp (°C/°F)

Corr. Factor

Reaction Principle: $H_2O + Mg(ClO_4)_2 \rightarrow Mg(ClO_4)_2 \bullet H_2O$

0/32

1.1

Cross-sensitivity:	Concentration	Reading*
Substance	(ppmv)	(lbs/ MMCF)
CH ₄	100%	0
Propane (C3H8)	10000	≤2
Isobutylene	10000	0
Hexanes	3000	0
СО	200	0
CO ₂	3000	0
SO ₂	1500	0
H ₂ S	2000	~1
NH ₃	100	entire tube
HCI	300	0
Ethylene glycol	saturated	0
Triethylene glycol	saturated	0
Methanol	50	0‡
Toluene	400	~1

^{*} Data based on NAGCO pumps and tubes used in standard range.

Other Possible Interferences: Amines, alcohols. No response to heptanes, octanes as present in 'rich' natural gas or commonly called 'condensate'.

[‡] Forms light green stain when methanol is above 70 ppm. Water can be measured in a mixture with methanol by reading the dark green stain only, ignoring the light green methanol stain beyond dark green end point.