

# Water Vapor 3/a

Order No. 81 03 031

W

## Application Range

Standard Measuring Range:	3.0 bis 60 lbs/mmcf
Number of Strokes n:	3
Time for Measurement:	approx. 90 s
Standard Deviation:	± 15 to 20 %
Color Change:	yellow → blue

## Ambient Operating Conditions

Temperature:	0 to 30 °C
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## Reaction Principle

$\text{H}_2\text{O} + \text{Mg}(\text{ClO}_4)_2 \rightarrow \text{blue reaction product}$

## Cross Sensitivity

No interference with the reading by 1200 ppm  $\text{NO}_2$ , 6000 ppm  $\text{SO}_2$ , 2000 ppm ethanol, 2000 ppm acetone. Basic gases are liable to cause plus errors. Acid gases are liable to cause minus errors.

