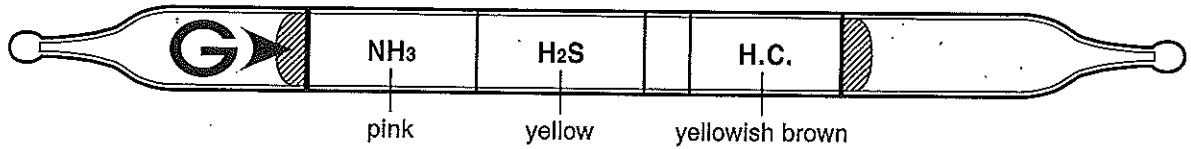


■ Polytec III (No.26)



Number of pump strokes : $n=1$

Sampling time : 30 seconds per 1 pump stroke (100ml)

Shelf life : 2 years

Reaction principle : See the table below

Detecting layer		Name (Original colour)	NH ₃ (Pink)	H ₂ S (Yellow)	HC (Yellowish brown)
Reaction principle			$2\text{NH}_3 + \text{H}_2\text{SO}_4 \rightarrow (\text{NH}_4)_2\text{SO}_4$ or $2\text{R} \cdot \text{NH}_2 + \text{H}_2\text{SO}_4 \rightarrow (\text{R} \cdot \text{NH}_3)_2\text{SO}_4$	$\text{H}_2\text{S} + \text{HgCl}_2 \rightarrow \text{HSHgCl} + \text{HCl}$ $\text{HCl} + \text{Base} \rightarrow \text{Chloride}$	$\text{CnHm} + \text{Cr}^{6+} + \text{H}_2\text{SO}_4 \rightarrow \text{Cr}^{3+}$
Substances & measurement results	Ammonia (≥ 0.5 ppm) (≥ 5 ppm)		Yellow (Inlet) Yellow (9 mm)		
	Hydrogen sulphide (≥ 0.5 ppm) (≥ 2 ppm)			Red (Inlet) Red (4 mm)	
	Sulphur dioxide (≥ 2 ppm)			Red (4 mm)	
	Hydrogen chloride (≥ 5 ppm)			Red (8 mm)	
	Chlorine (≥ 1 ppm)			Red (10 mm)	
	Nitrogen dioxide (≥ 3 ppm)			Red (4 mm)	
	Butane (≥ 500 ppm)				Dark brown (Whole layer)
	Gasoline (≥ 2 ppm) (≥ 20 ppm)				Greenish brown (Inlet) Greenish brown (Whole layer)
LPG (≥ 5000 ppm)				Dark brown (Whole layer)	

Parenthesized values after substances show their concentrations, and those after the reaction colours show the lengths of their reaction colour layers.