

Drägersafety

TAKING A TUBE MEASUREMENT

THE BASICS

1. Reset the counter on the pump to zero by depressing the reset button using a pen or unbroken tube.



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2. a) Break the tips of the detector tube.

Deluxe Tube Opener



- 1 Twist to score
- 2 Push to clip tip

Cutter on Pump



- Scrape to score
- Bend against cutter to break

2. b) Break the tips of the detector tube.

Metal Tip Breaker



Metal Tip
Breaker

Insert the tube tip and bend to break each tip.

CAUTION: The metal tip breaker will cause jagged glass tips

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3. Insert the tube into the pump inlet with the arrow pointing **toward** the pump.



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4. Grip the pump according to the photo. Compress the bellows completely (stroke counter will advance), then release your grip; the air sample **begins to be pulled through the tube.**

End of stroke indicator is dark when pump is under vacuum.



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5. Wait for the end of stroke indicator to pop up (white).



Signifies completion of the stroke

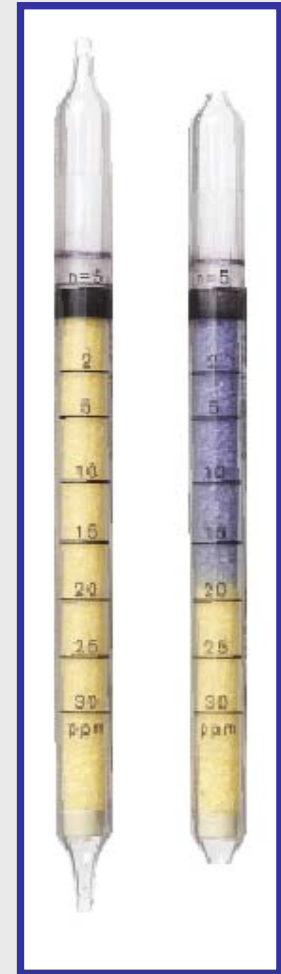
Take the required number of strokes according to the instructions

The time per stroke will vary based on the specific tube used

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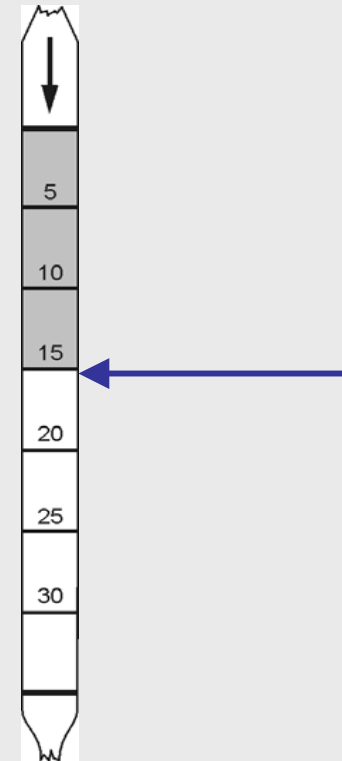
6. Remove the tube from the pump at the end of the last stroke and read the tube immediately (unless the instructions specify otherwise)



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READING DRAEGER-TUBES

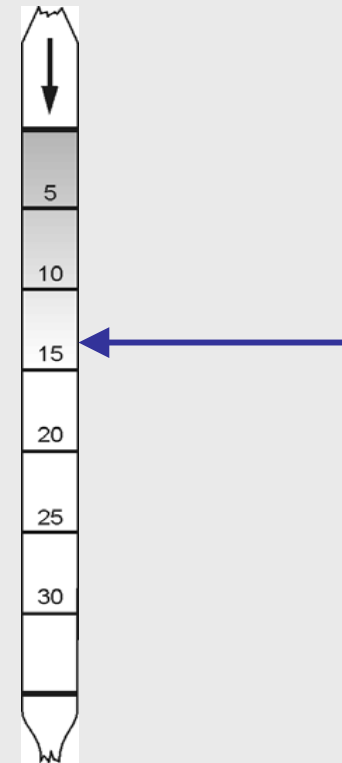
- Read the total length of the discoloration



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READING DRAEGER-TUBES

- If the discoloration becomes progressively lighter, read to the point where the faintest discoloration is just visible.



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TIPS FOR READING DRAEGER-TUBES

- Adequate lighting - no direct sunlight
- Hold tube against light colored background
- Compare with an unused tube
 - Using a light background like a white sheet of paper and comparing with an unused tube will enhance the color distinction



THANK YOU FOR YOUR ATTENTION!