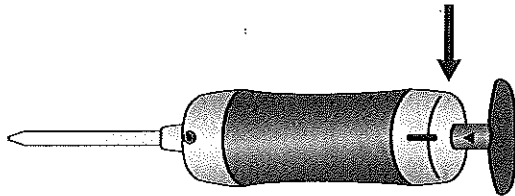
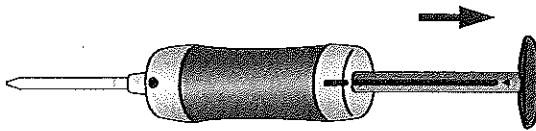


2. Sampling

- ① Align the guide marks on the pump shaft and handle.

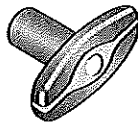


- ② Pull out the handle fully until it is locked.



- ③ Wait until the sampling time has elapsed. The completion of the sampling of 100ml or 50ml can be confirmed by the flow finish indicator on the handle.

Otherwise, you may confirm the end of sampling with the handle play function.



- Number of pump strokes and sampling time

Most of Gastec detector tubes can determine concentrations of their target substances with 1 pump stroke (100ml).

Some tubes, however, require 1/2 strokes (50ml) or multiple strokes (100ml \times n) depending on the substances and their concentrations to be measured. The time required to read the tube is to multiply "sampling time for 1 stroke" by "number of strokes". The sampling time for 1 stroke and the required number of strokes are prescribed for an individual detector tube. They are given in the instruction sheet included with the detector tube.

- Confirming the completion of sampling

Completion of a sampling of 100ml or 50 ml can be confirmed by either one of the following:

When the pump handle is pulled out, the white indication of the flow finish indication is pulled in by the vacuum generated in the pump cylinder. It pops out when the prescribed volume (100ml or 50ml) has been fully sampled.

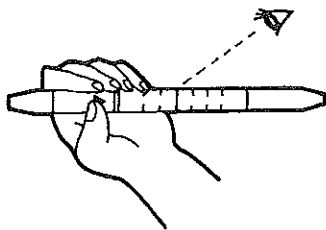
3. Reading

When sampling starts, the colour of the reagent in the detector tube will start to change. The colour changing will stop when the sampling time has elapsed. Read the tube according to the following procedure:

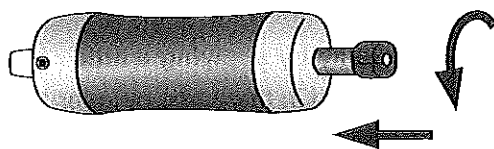
- ① Remove the tube from the pump and read the demarcation of the discolouration layer.

Marking the demarcation of the discolouration layer with a pen may be useful for easy reading or later confirmation.

Also, taking notes (such as the tube reading as well as the date, time and place of measurement) on an attached adhesive label and putting it on the detector tube will be helpful for later recording.

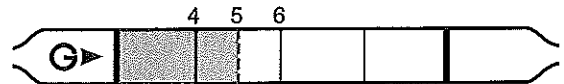


- ② Unlock the handle by turning it more than 1/4 turns to restore it to the initial position.

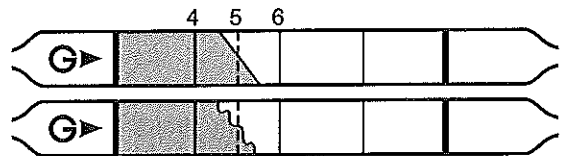


• Tips for detector tube reading

- ① When the end of the discolouration layer is flat: Read the value at the end of the layer. In this example, the reading should be 5 %.



- ② When the end of the discolouration layer is slant (this will be very rare with Gastec detector tubes and the phenomenon is exaggerated here, for easy understanding): Read the value at the middle point of the slant. In this example, the reading should be 5 %.



- ③ When the demarcation of the discolouration layer is pale (this will also be very rare with Gastec detector tubes and the phenomenon is exaggerated here for easy understanding) : Read the value at the middle point between the dark layer end and the pale layer end. In this example, the reading should be 5 %.

