

# Diluter operation guide for GX-8000(for coal carrier)

## Preface

This guide describes the operations, functions and operational cautions etc for the optional use of model GX-8000 Type B(CH<sub>4</sub>/O<sub>2</sub>/H<sub>2</sub>S/CO).

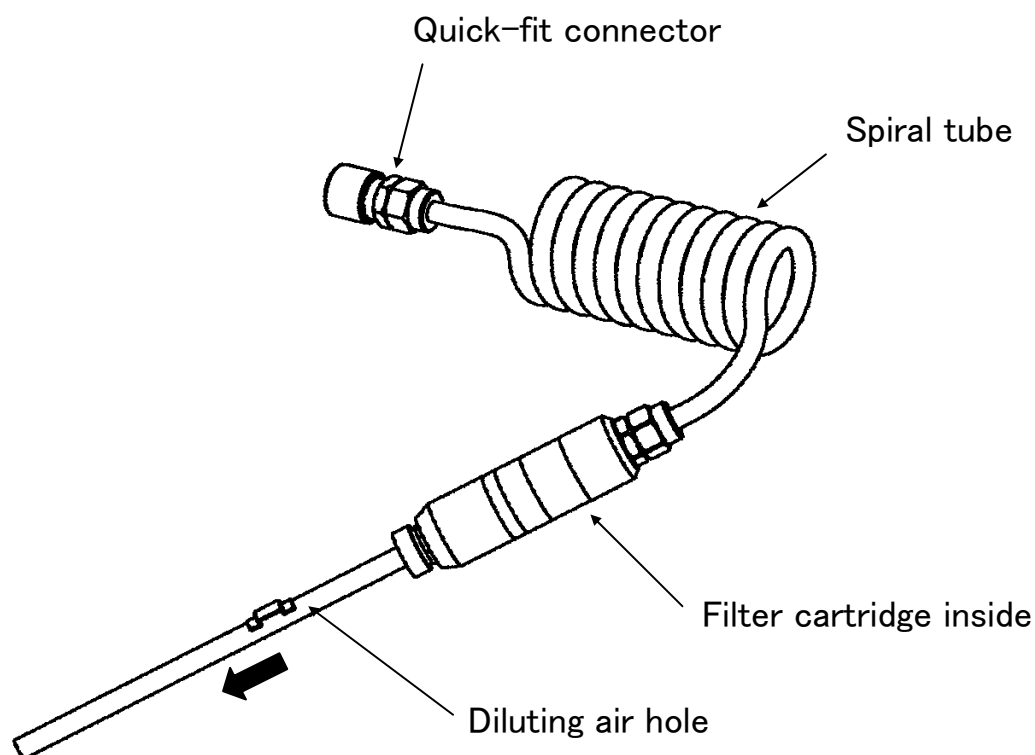
For the detailed operations of instrument, refer to each separate operating manual. For correct operations, it is kindly requested to read this optional guide together with the operating manual by all means before use and operate the instrument after it is understood well thoroughly.

Now for our product improvement, the description of this guide may be subject to change without notice in the future and it is strictly prohibited to duplicate or transcribe a part or all for this guide under the rights of Riken Keiki Co.,Ltd.

## Diluter for GX-8000

Parts number : 4775-9934-30

One complete set to be supplied

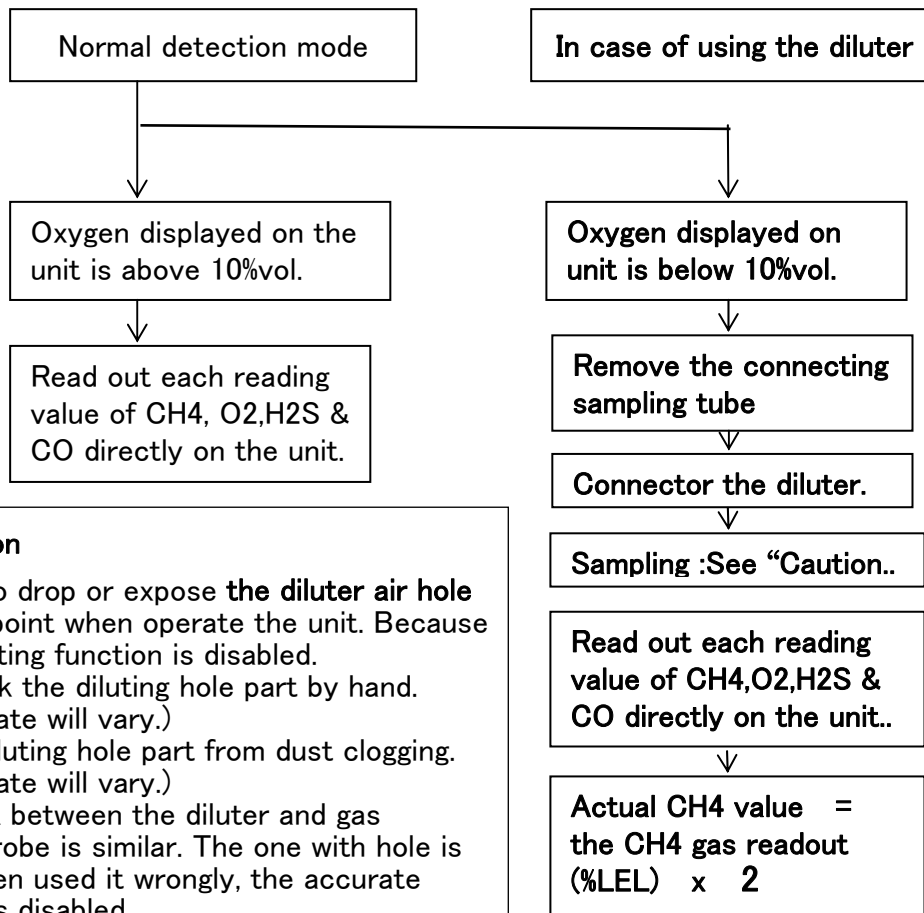


# Operation

When oxygen(O<sub>2</sub>) gets to below 10%vol at the sample gas atmosphere, the accurate detection of combustible gas is disabled with the %LEL sensor on the catalytic detection principle. In such atmosphere of O<sub>2</sub> below 10%vol, the optional diluter must be used for this CH<sub>4</sub> gas detection.

## <Detection mode>

The normal detection is carried out at first without the diluter. The flow of that is shown in the left and the flow of using the diluter is shown in the right below.



### ⚠ Caution

- Never fail to drop or expose the diluter air hole to sample point when operate the unit. Because this air diluting function is disabled.
- Do not block the diluting hole part by hand. (Diluting rate will vary.)
- Keep the diluting hole part from dust clogging. (Diluting rate will vary.)
- The outlook between the diluter and gas sampling probe is similar. The one with hole is diluter. When used it wrongly, the accurate detection is disabled.

### \* Note

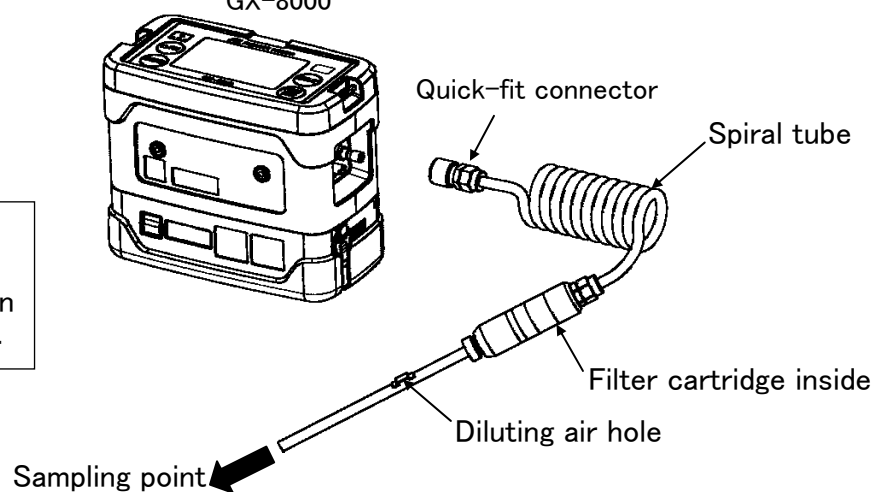
See the unit setup

GX-8000

## <Unit setup diagram>

### ⚠ Caution

- Plug the quick-fit connector in the depth of the gas inlet tightly.



Note: Refer to the separate operating manual in details.

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