

E GAS INDICATOR

DESCRIPTION AND USE

1. GENERAL

1.001 This addendum supplements Section 081-700-105.

1.002 It is reissued to clarify the differences between the dial faces on the two superseded E gas indicators.

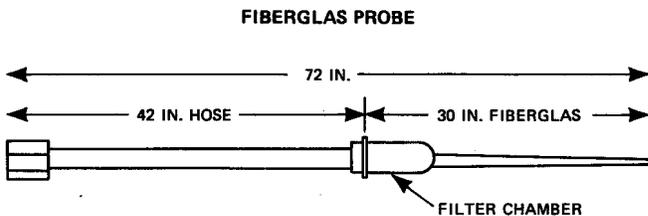
1.003 Information covering the use of the Fiberglass probe (with integral filter chamber) is retained.

2. DESCRIPTION

The following changes apply to Part 2 of the section:

- (a) 2.05 — added
- (b) Fig. 6 — added

2.05 *Fiberglass Probe With Integral Filter Chamber:* The Fiberglass probe (Fig. 6) has a 42-inch hose and an integral filter chamber. It shall always be used when testing without a filter on the indicator inlet. The cotton filter in the chamber will prevent dust, water, etc., from entering the indicator.



Fiberglass Probe with 42-inch Hose and
Integral Filter Chamber
Fig. 6

3. TESTING AND SETTING UP INDICATOR

The following changes apply to Part 3 of the section:

- (a) 3.01 — revised
- (b) 3.10 — added

3.01 The tests described in 3.02 through 3.10 shall be made each day before the indicator is used. Some tests shall be made more often, as indicated.

Note: See the instructions on the back of the case (Fig. 3).

3.10 *Fiberglass Probe Test:* To test the Fiberglass probe:

- (1) Examine the filter to ensure it is in place. Attach the probe to the indicator. Squeeze the aspirator bulb. If the bulb does not inflate within 5 seconds, replace the filter and repeat this portion of the test.
- (2) Hold a finger tightly over the free end of the probe to prevent air from being drawn in. Squeeze the aspirator bulb and place a finger over the outlet valve of the bulb. The bulb should not inflate in less than 30 seconds. If the bulb inflates quickly, there is a leak in the probe or hose fittings. If tightening the hose fitting does not stop the leak, the probe must be replaced.
- (3) As explained in 3.09, test the Fiberglass probe to determine whether it is contaminated by combustible gas or vapors.

4. OPERATION

The following change applies to Part 4 of the section:

- 4.04(5) — revised

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4.04 *Testing with the Indicator in the Manhole:*

- (5) Detach the sampling hose, attach the Fiberglas probe and test for combustible gas (if the atmosphere is unsatisfactory, leave the manhole and continue ventilation).

7. SUPERSEDED E GAS INDICATOR

The following change applies to Part 7 of the section.

- (a) 7.06 — added

7.06 Superceded E gas indicators may have one of two different styles of dial faces, both are acceptable.

(a) One dial face has the percentage of explosibility expressed as percentage. The readings are from 0% to 100% with a green band below 10% and a red band from 10% to 100%.

(b) The other dial face has the percentage of explosibility expressed as decimals. The readings are from 0 to 1 with a white band below .2 and an orange band from .2 to 1.