

# Hydrogen Sulfide Breakthrough Indicator (BTI) For Carbon Absorbers

(PN: 185)






*Manual*



### 1. Application

The Hydrogen Sulfide Breakthrough Indicator (PN: 185) is qualitative (yes/no) colorimetric indicator for the end-of-service life of carbon absorbers and filters. It is designed to provide real-time indication of the breakthrough of hydrogen sulfide gas.

### 2. Specifications

- |                              |  |
|------------------------------|--|
| a. Weight:                   | 28g (1.0oz)  |
| b. Dimensions:               | 89.9mm (3.5in), diameter 24.5mm (1.0in)  |
| c. Inlet dimensions:         | ¾" MNPT  |
| d. Operating temperature:    | -20°C to 65°C (-4°F to 149°F)  |
| e. Operating humidity:       | 5% RH to 90%RH   |
| f. Minimum detectable limit: | 1.0ppm•min at 30 cm/sec face velocity  |
| g. Color change:             | Light blue  to brown  or black  |
| h. Storage temperature:      | 4°C to 25°C, (39°F to 77°F)  |
| i. Shelf life:               | 2 years at 4°C to 25°C, (39°F to 77°F)   |
| j. Service life:             | 18 months  |
| k. Light effect:             | None   |

**Cross interferences:** No interferences are known.

### 3. Operating Instructions

- Ensure that packaging pouch is intact.
- Open packaging pouch by tearing off the top part from one of side notches.
- Remove the Breakthrough Indicator from the packaging pouch.
- Remove the ¾" threaded plug from the carbon absorber outlet lid.
- Remove the protective red plug to activate the breakthrough indicator.
- Thread the Breakthrough Indicator into the ¾" threaded carbon absorber outlet lid.



- Replace carbon absorber when the Breakthrough Indicator changes color to brown or black.



Unexposed



Exposed  
Change carbon absorber

