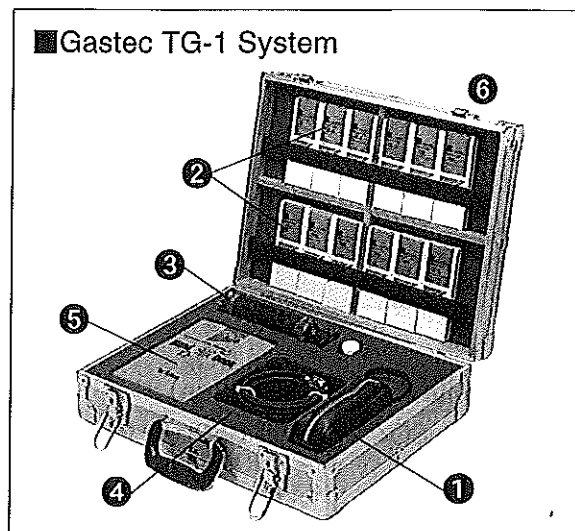


Toxic Gas Detection System (Gastec TG-1 System)

The prime importance in the case of emergency response to chemical spills is to quickly determine the gases and their concentrations. With the Gastec TG-1 System, you can do this accurately, easily and quickly on the site, using 12 kinds of Gastec detector tubes and the Model GV-100 Gas Sampling Pump. As the substances to be measured are hazardous, adequate precautions should be taken to ensure safety. For details, see the instruction sheet provided with this system.



● Features

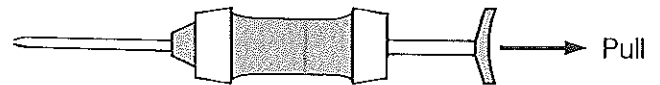
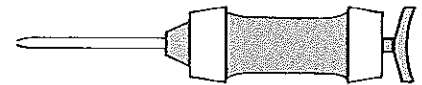
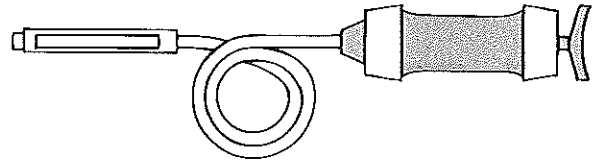
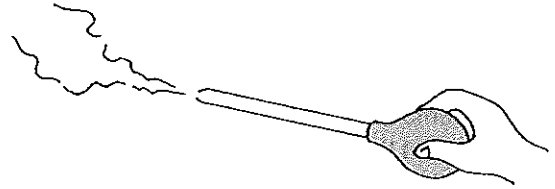
- Fast and easy determination of pollutants
- Portable, with no special requirements for measurement sites or meteorological conditions.

■ Gastec TG-1 System configuration

Components	Quantity	Remarks
No.500 Smoke Tester Kit (Photo ①)	1	To visually confirm the air current direction at the measurement site. (See page 6-8)
Detector tubes (Photo ②)	12 kinds (10 tubes/kind)	No.107 (Polytec I), Nos.141, 128, 151L, 135, 111L, 4LL, 1L, 14L, 3La, 12L, 8La
Model GV-100 Gas Sampling Pump (Photo ③)	1	With 3 rubber inlets, 1 lubricant
No.350A Extension Hose (Photo ④)	1	5m (16.4ft) long. (See page 1-11)
Rubber connectors	2	Connect No.4LL with No.1L
Instruction sheet	1	
Handbook (Photo ⑤)	1	
Carrying case (Photo ⑥) Dimensions & weight (whole kit)	1	465mm(W) × 138mm(D) × 373mm(H), 5kg (18.3in × 5.4in × 14.6in, 11lb)

■ Measurement procedure

- ① Confirm the air current direction at the measurement site by using the No.500 Smoke Tester Kit. For the No.500 Air Smoke Tester Kit, see page 6-8.
- ② Connect the No.350A Extension Hose to the Model GV-100 Gas Sampling Pump, if necessary.
- ③ Break off both ends of a Polytec 1 (No.107) and connect the tube to the Pump, or to the end of the Extension Hose if the extension hose is used.
- ④ Pull out the handle of the Pump, wait for the predetermined sampling time, and examine the tube for colour change.
- ⑤ Proceed with the measurements by using all 12 kinds of detector tubes as shown in the following toxic gas determination flowchart.
- ⑥ Finally, determine the pollutants from the measurement results.



■ Toxic gas detection flowchart

- ◇ represents the decision whether or not the colour change is observed.
- + shows that this route is to be taken only when the colour change is observed.
- shows that this route is to be taken only when no colour change is observed.
- ± shows that this route is to be taken both when the colour change is observed and when no colour change is observed.

