

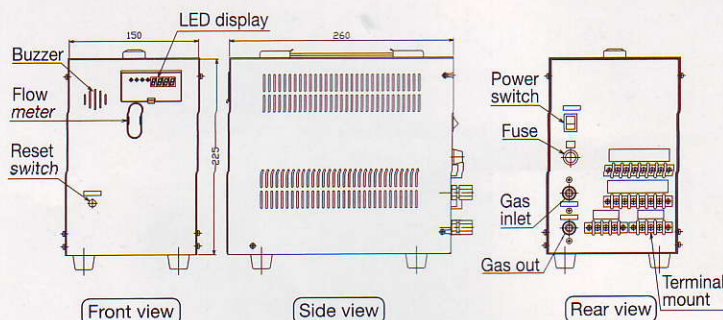
# Smart Type Gas Detector

Desk top type, Sample drawing

**EC-777**  
**EC-777DG**  
(for NF3)

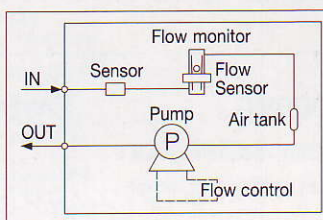


## Dimensions

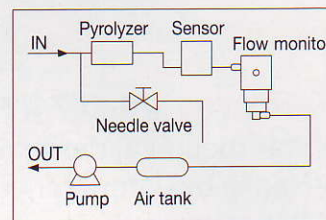


## Block diagram

EC-777



EC-777DG



## Features

- Easy transportability
- Digital display(LED) for gas concentration readout
- Calibration and other sensor information stored in sensor memory
- Trend graph for alarm evidence
- Self-diagnostic functions by microprocessor
- Easy replacement of pump and sensor (less than one minute)
- Two alarm levels, trouble alarm, plus relay outputs
- Maintenance capability by remote PC

## Specifications

Model	EC-777	EC-777 DG
Detection principle	Electrochemical cell	Pyrolysis-electrochemical cell
Target gas and detection range	Same as for GD-K71D (Refer to the detectable gas list)	NF3 in air, 0~30ppm
Gas concentration display	4-digit LED, 7 segments	
Outputs	Both 4~20mADC (max. loop load 300Ω) and 0~10mVDC	
Alarm display	1st alarm : Yellow LED light, 2nd alarm : Red LED light, Trouble alarm : Green LED flashing	
Alarm relays	Form "C" for each alarm	
Self-diagnostic function	Low flow, system trouble, sensor disconnection	
Operating conditions	0~40°C, 30~85%RH (Non-condensing)	0~40°C, 45~75%RH (Non-condensing)
Power requirement	100VAC, 115VAC or 220VAC±10%	
Power consumption	Approx 15VA	Approx 100VA
Applicable tubing for outer connection	O.D. φ 6-1t PTFE tubing (Provided with P.P. coupling)	
Dimensions and weight (Approx.)	150(W)x225(H)x250(D)mm, 6kg	150(W)x225(H)x250(D)mm, 8kg

Specifications subject to change without notice.