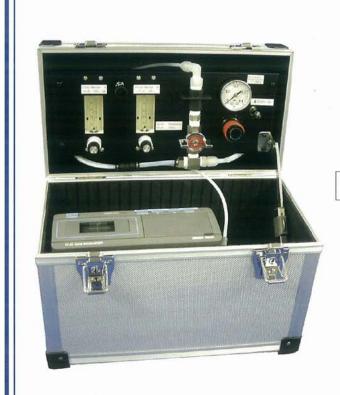


## For Maintenance of Breakers and Transformers at Electrical Substations

# SF6 GAS PURITY ANALYZER

Verify purity of recycled SF6 gas

Model FI-21-SF6



SMALL SIZE / LIGHT WEIGHT

NO WARM-UP TIME REQUIRED

**QUICK RESPONSE** 

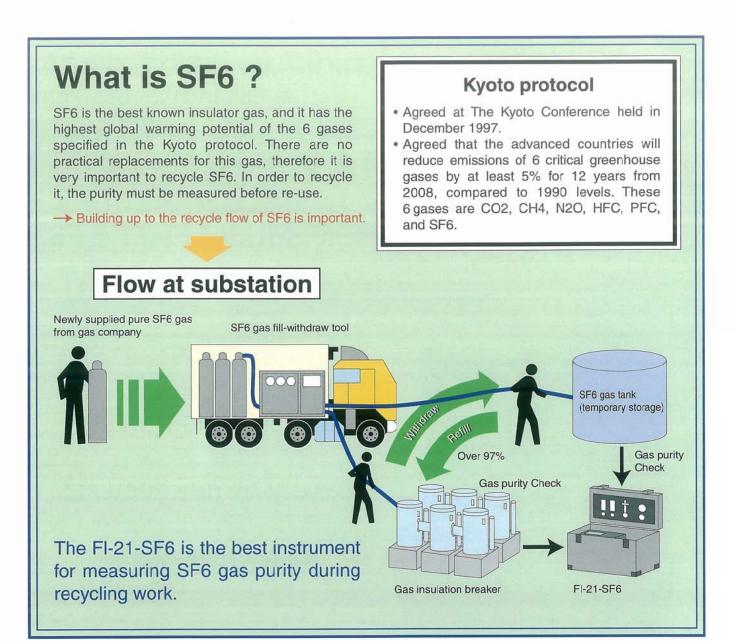
#### **Features**

Complies with SF6 Recycling guide of CIGRE (Conference Internationale des Reseaux **Electroues a haute tension)** 

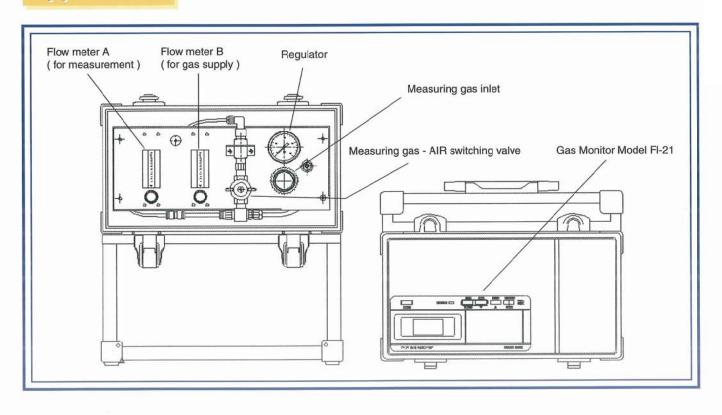
- Small size / Light weight
- No warm-up time required
- Quick response
- Easy operation / Simple digital LCD
- Operates on 4 C size alkaline batteries (standard) or 100 / 115VAC (option)
- 20 hours continuous operation with alkaline batteries
- 0-100% volume range (1% accuracy)
- Stores 100 readings in memory
- High pressure sampling







#### **Appearance**



#### **Detection method**

The FI-21 utilizes an optical interferometric (light diffraction) method as the detection principle, and realizes ±1% volume detection accuracy for the measuring range of 0-100% volume. (in accordance with CIGRE)

Power key Power lamp MODE key SAVE key RANGE key AIR CAL key

SAMPLING

SAMPLING

SAMPLING

SAMPLING

SAMPLING

SAMPLING

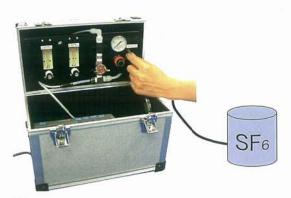
AIR CAL

ENTER

MAX. 100 points data can be stored

LCD

#### **Measuring procedure**



① Connect the sampling tube (Supply pressure : 0.15~0.7Mpa)



② Adjust sample pressure with regulator



3 Adjust flow to the specified rate using flowmeters A & B



④ Open valve. When reading is stable store the measurement to memory

## **Specifications**

# model FI-21-SF6

Model	FI-21-SF6
Detection principle	Optical interferometric method
Measuring gas	SF6 in air
Measuring range	0-100vol% (0.1vol% / digit)
Indication accuracy	±1vol%
Display	Digital LCD
Response time	Approx. 30 seconds (T99.5)
Flow rate	Above 400ml / min
Sampling pressure	0.15 - 0.7Mpa (22 - 100 psig)
Operating temp. & humidity	-10∼+40°C, 95%RH or below (non-condensing)
Power source	C size alkaline batteries (4pcs ) or 100/115VAC adaptor (optional)
Dimensions	Approx. 13.6"×9.8"×7.3" (346(W)×248(H)×186(D) mm)
Weight	Approx. 5.5kg (12lbs)
Others	Air-pressure compensation function & Temperature compensation function included.
Standard accessories	Pressure-resistance sampling tube for high pressure sampling, Gas sampling adaptor (for sampling point)
Optional accessories	100 or 115VAC adaptor

Pressure - resistance Sampling tube



Gas sampling adaptor

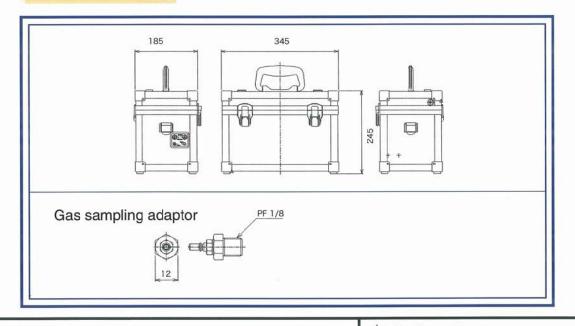


Exclusive AC adaptor (Option)



**\*Specifications subject to change without notice** 

## **Dimensions**









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