

# Thermo 43iQ-HL

## SO<sub>2</sub> Analyzer

The Thermo Scientific 43iQ-HL analyzer measures sulfur dioxide at high concentrations. This instrument uses pulsed ultraviolet fluorescence technology to measure SO<sub>2</sub> in air up to 1,000 ppm.



- ✓ **Rental from one day**
- ✓ **Technical assistance included**



UV Fluorescence

### TECHNICAL SPECIFICATIONS

MEASURING RANGES	0 - 1000 ppm 0 - 3000 mg/m <sup>3</sup>
OPERATING T°	From 0°C to 45°C
DETECTION LIMIT	2 ppm (10 second averaging time) 1 ppm (60 second averaging time) 0.5 ppm (300 second averaging time)
SENSITIVITY	1 ppm RMS (10 second averaging time) 0.5 ppm RMS (60 second averaging time) 0.25 ppm RMS (300 second averaging time)
LINEARITY	± 1% full scale
T90 time	80 sec (10 second averaging time) 110 sec (60 second averaging time) 320 sec (300 second averaging time)
INTERNAL PUMP	Flow rate 0,7 l/min
DATA LOGGING	Via USB port
ANALOGUE OUTPUT	0-10 V or 4-20 mA, RS232 / RS 485
COMMUNICATION	3 Full speed USB ports 1 Gigabit ethernet port MODBUS
POWER	240 VAC
DIMENSIONS	609 x 425 x 221 mm
WEIGHT	17 kg

### KEY POINTS

- Automatic scale switching
- Fast response time
- Linearity on all scales
- Microprocessor-controlled
- Excellent sensitivity
- Reduced susceptibility to interferences
- Data acquisition

### APPLICATIONS

- Atmospheric emission gas measurements
- Process gas measurement
- All types of industry

### Recommended equipment for your system gas analysis system :



### For more information

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