Multi-Channel Flue Gas Sampler

YQ-1214

Overview

The YQ-1214 collects toxic and harmful gases from pollution sources or ambient air using solution absorption, adsorption-tube sampling and other solid-phase adsorption methods. The brochure lists routine or emergency monitoring applications in environmental protection, health, labor, safety supervision, military, research and education.



Technical specifications

Parameter	Range / value	Resolution	Accuracy / error
Sampling flow	0.1-1L/min, 10-200mL/min; selectable	0.001L/min	±5%
Sampling time	1min-99h99min		
Discharge duration	Four channels operating simultaneously, discharge duration >20h		
Charging time	<3h		
Weight	≤5kg		
Power consumption	<300W		
Dimensions	(350*180*260)mm		

Technical features

- Four imported high-performance sampling pumps support negative-pressure sampling under different conditions.
- Flow rates of the four flue-gas channels are selectable.
- Each channel has independent control of sampling flow and time.
- High-brightness 7-inch color touchscreen for outdoor use.
- Data lookup, USB export and Bluetooth printing.
- Rain- and dust-resistant, antistatic unit for outdoor use.
- High-precision pressure sensor for stable sampling flow and accurate sampled volume.
- Built-in lithium battery supports more than 20 hours of continuous operation when fully charged.
- Automatic software-data backup.
- Bluetooth printer for rapid instrument-data printing, with anti-counterfeit printouts.
- BeiDou positioning, time synchronization and operation-log storage.

Standards listed in the brochure

- JJG 1169-2019 - Flue-gas samplers
- HJ/T 47-1999 - Technical requirements for flue-gas samplers
- HJ/T 397-2007 - Technical specifications for waste-gas monitoring of stationary sources
- GB/T 16157-1996 - Particulate determination and gaseous pollutant sampling in exhaust (source wording describes the pollution source as "solid-state")

Standard accessories

• YQ-1233HW constant-temperature flue-gas sampling tube
• Main unit
• Aluminum case
• Charger

Optional accessories

• YQ-1208 direct-reading flue-gas velocity and humidity instrument
• Tripod
• YQ-1232A flue-gas preprocessor
• Bluetooth printer

Source and review notes

• The brochure prints a sampling-time upper limit of 99h99min; the minute field exceeds the usual range and is retained pending confirmation.
• The technical features mention a Bluetooth printer; the accessory list identifies it as optional.
• The GB/T 16157-1996 title in this brochure uses the Chinese wording 固态污染源; its correctness has not been independently verified.
• Specifications and standards have not been independently verified.
• English translation has not received native-speaker technical review.