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Testo 350 MARITIME Flue Gas Analyzer



Parameter

Weight	Approx. 17 kg
Dimensions	565 x 455 x 265 mm (case)
Operating temperature	5 to +45 °C
Product-/housing material	TPE/PC + ABS/PC + ABS + 10% GF
Connectable probes	1 x combustion air temperature probe; 1 x flue gas probe; 1 x temperature probe; 1 x temperature probe; 1 x differential pressure
Product colour	Black
Standards	Germanischer Lloyd (DNV GL) Certificate Nippon Kaijick Kyokai (Class NK) certificate according to MARPOL Annex VI and NOx Technical Code 2008
Power supply	Li ion rechargeable battery; AC mains unit 100 V to 240 V (50 to 60 Hz)
Power consumption	max. 40 W
Pump flow	1 l / min. with flow monitoring
Max. pos. press./flue gas	50 mbar
Max. neg. press./flue gas	-300 mbar
Dewpoint calculation	0.04 °Ctd; 99 °Ctd
Interface	IR/IRDA interface; Bluetooth®; USB; data bus; trigger input; Differential Pressure; probe input/ probe inputs; DC-voltage input; Mains connection; dilution gas inlet for measurement range extension
Storage temperature	-20 to +50 °C
Max. dust load	20 g/m ³ dust in flue gas
Dewpoint calculation	0 °Ctd; 99 °Ctd
Max. humidity load	70 °C dewpoint temperature
Trigger input	Voltage 5 to 12 Volt (rising or trailing edge) pulse width > 1 sec load: 5 V/max, 5 mA, 12 V/max. 40 mA
Maximum	250,000 readings

Interface	data bus; Bluetooth®; USB; IR/IRDA interface; Mains connection; trigger input; Differential Pressure; probe input/ probe inputs; DC-voltage input; dilution gas inlet for measurement range extension
Storage temperature	-4.0° to 122.0 °F / -20 to +50 °C

MS600-FG2 Portable Flue Gas Analyzer



Parameter

Gases to be detected	Arbitrary combination of 1 ~ 6 types of gases such as toxic gases, oxygen gas, carbon dioxide, inflammable and explosive gases, TVOC, and so on. Optional configuration: temperature and humidity measurements.			
Application scenarios	All the cases which requires the portable rapid detection of gas concentrations such as petroleum, chemical, pharmaceutical, environmental protection, combustion gas distribution, warehousing, smoke gas analysis, air governance, and so on.			
Detection range	0 ~ 1, 10, 100, 1000, 5000, 50000, 100000ppm, 200 mg/L, 100%LEL, 20%, 50%, 100%Vol, can be selected; and other ranges can be customized.			
Resolution	0.01ppm or 0.001ppm (0 ~ 10 ppm); 0.01ppm (0 ~ 100 ppm), 0.1ppm (0 ~ 1000 ppm), 1ppm (0 ~ 10000 ppm or more), 0.01 mg/l (0 ~ 200 mg/l), 0.1% LEL, 0.01%LEL 0.001% Vol			
Detection principle	Electrochemical, catalytic combustion, infrared, thermal conductivity, PID photoionization, and so on. Depending on the type of gas, range, field environment and user demand.			
Sensor service life	Electrochemical principle: 2 ~ 3 years; Oxygen gas: 2 years or 6 years can be selected; Infrared principle: 5 ~ 10 years; Catalytic combustion: 3 years; Thermal conductivity: 5 years; PID photoionization: 2 ~ 3 years.			
Allowable error	≤±1% F.S (other precision levels can be customized)			
Linearity	≤±1%	Repeatability	≤±1%	Uncertainty ≤±1%
Response time	T90≤20 seconds		Recovery time	≤30 seconds
Working environment	Temperature: -40 °C ~ + 70 °C, humidity: ≤10 ~ 95% RH, and built-in filters can be used in high humidity or high dust environment.			
Sample gas temperature	-40 °C ~ + 70 °C, and the optional configuration of high-temperature sampling and cooling filter handle will be possible to detect the smoke gas at the temperature of			

	1300 °C.
Temperature and humidity measurement	Optional configuration: temperature at -40 °C ~ + 70 °C, accuracy level at 0.5 °C; humidity at 0 ~ 100% RH, precision level at 3 % RH
Power supply	3.6VDC, 6000mA high capacity rechargeable polymer battery
Display mode	2.5-inch high-definition color screen
Detection mode	Built-in pump-suction type measurement, and flow rate at 500 ml / min. Calibration flow rate should be greater than 500 ml / min, three-way pipe should be connected, so as to ensure that the excessive gas will be discharged from the bypass
Alarm mode	It is possible to set as sound & light alarm, vibration alarm, sound & light + vibration alarm, turning off the alarm.
Communication interface	USB (charging and communication), optional: RS232, infrared communication, automatic recognition
Data storage	Standard configuration is the data storage capacity for 100, 000 entries; SD card storage function is optional configuration
Protection level	IP67
Explosion-proof type	Intrinsically safe type
Explosion-proof mark	Exia II CT6
Exterior dimensions	180×78×33mm (L×W×H)
Weight	350g
Standard accessories	Manual, qualification certificate, warranty card, USB charger (including the data cable), high-grade aluminum instrument case, belt clip, humidity dust filter
Optional items	1) Temperature and humidity measurement function 2) 1.2 m retractable sampling handle (1-10 meter hose, and the standard length is 1meter) 3) 0.4 meter stainless steel sampling handle (with dust filter, not retractable), 4) high temperature sampling and cooling filter handle 5) high temperature humidity pretreatment system 6) multiple humidity dust filter 7) hanging rope, CD-ROM (upper level computer communication software) 8) SD card storage, wireless data communications, external mini wireless infrared printer

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