

## AST802Z Online Gas Analyzer



### Parameter

Data Storage: Stores 5000 sets of measurement data for all parameters.

Interfaces:

- RS232 (supports MODBUS, AK protocols)
- USB port (for connecting USB flash drives)
- Built-in WIFI interface IEEE 802.11 B (optional)
- Built-in Ethernet 10 BASE-T IEEE 802.3 (optional)

Signals:

- 1 to 8 channels of 4-20 mA optically isolated analog outputs (optional)
- 1 to 4 channels of programmable relay contacts (optional)

Display: LED-backlit color LCD (TFT) screen, 640 × 480 pixels resolution

Power Supply: 110-240 VAC, 1000 VA, 50-60 Hz

Environmental Limitations:

- Temperature: 0 to 40 °C
- Relative Humidity: <90%

Certifications Standard: CE, EN 61010-1, IEC 61010-1, EN 61326, IEC 61326

Enclosure: Coated stainless steel, IP65 protection rating

Dimensions: 345 × 525 × 260 mm

Weight: 30 kg

Sample Gas Parameters:

- Pressure: 0–2 bar absolute (0–2000 hPa)
- Flow Rate: 0.1–10 L/min

- Temperature: Ambient temperature to 400 °C
- Fittings: Swagelok, 316 stainless steel, suitable for lines with an outer diameter of ¼" (6.4 mm)

**Zero Point Gas Parameters:**

- Pressure: 0–2 bar absolute (0–2000 hPa)
- Flow Rate: 0.1–10 L/min
- Fittings: Swagelok, 316 stainless steel, suitable for lines with an outer diameter of ¼" (6.4 mm)

**Pump sampling unit**

**Gas module (selectable according to customer needs)**

Gas Specifications	Chemical Formula	Measurement Range	Resolution	Technical Principle	Error	Response Time (T90)	Remarks	Price (USD)
一氧化碳	CO	0-20ppm	0.01ppm	电化学	±5%F.S.	≤120S		215
		0-2000ppm	1ppm			≤80S		125.3
二氧化氮	NO2	0-1000.0ppb	0.5ppb	电化学	±5%F.S.	≤120S		251
		0-20.00ppm	0.01ppm			≤80S		180
		0-100.0ppm	0.1ppm			≤80S		180
臭氧	O3	0-1000.0ppb	0.5ppb	电化学	±5%F.S.	≤120S		251
		0-10.00ppm	0.01ppm			≤120S		358

		0-1000ppm	0.1ppm			≤80S	448
二氧化硫	SO2	0-1000.0ppb	0.5ppb	电化学	±5%F.S.	≤120S	358
		0-20.00ppm	0.01ppm				233
		0-1000ppm	1ppm			≤80S	358
颗粒物	PM2.5 /PM10	0-1000.0ug/m3 /0-2000.0ug/m3	0.1ug/M3	光学原理	±5%F.S.	≤100S	269
扬尘(100um 以内颗粒)	TSP	0-20.00mg/m3	0.01mg/m3	光学原理	±10%F.S.	≤30S	269
挥发性有机化合物	VOC	0-100.00ppm	0.01ppm	PID	±3%F.S.	≤100S	537.3
		0-20.000ppm	0.001ppm				645
甲烷	CH4	0-5%, 100%vol	0.10%	红外	±3%F.S.	≤80S	358
氮氧化物	NO	0-100.00ppm	0.01ppm	电化学	±3%F.S.	≤80S	537.3
氨气	NH3	0-10.000ppm	0.001ppm	电化学	±5%F.S.	≤80S	251
		0-50.00ppm	0.01PPM			≤120S	251
		0-100.0ppm	0.1ppm			≤80S	215
		0-500.0ppm	0.1ppm			±3%F.S.	≤80S
硫化氢	H2S	0-100.00ppm	0.01ppm	电化学	±3%F.S.	≤120S	176.5
		0-1000.0ppm	0.1ppm				251
		0-10.000ppm	0.001ppm			±5%F.S.	304.5

氯气	CL <sub>2</sub>	0-20.00ppm	0.01ppm	电化学	±5%F.S.	≤120S	322.4
氯化氢	H <sub>2</sub> CL	0-100PPM	0.1PPM	电化学	±5%F.S.	≤120S	394
氰化氢	HCN	0-10PPM	0.01PPM	电化学	±5%F.S.	≤120S	465.7
甲硫醇	CH <sub>3</sub> SH	0-10PPM	0.01PPM	电化学	±5%F.S.	≤120S	394
甲硫醚	C <sub>2</sub> H <sub>6</sub> S	0-100PPM	0.1PPM	电化学	±5%F.S.	≤120S	358.2
		0-10.00ppm	0.01ppm	电化学			412
三甲胺	C <sub>3</sub> H <sub>9</sub> N	0-100.0ppm	0.1ppm	电化学	±5%F.S.	≤120S	448
二甲二硫	C <sub>2</sub> H <sub>6</sub> S <sub>2</sub>	0-10.000PPM	0.001PPM	电化学	±5%F.S.	≤120S	448
二硫化碳	CS <sub>2</sub>	0-100.0PPM	0.01PPM	电化学	±5%F.S.	≤120S	340
苯乙烯	C <sub>8</sub> H <sub>8</sub>	0-20PPM	0.001PPM	电化学	±5%F.S.	≤120S	340

其他参数可拓展.....