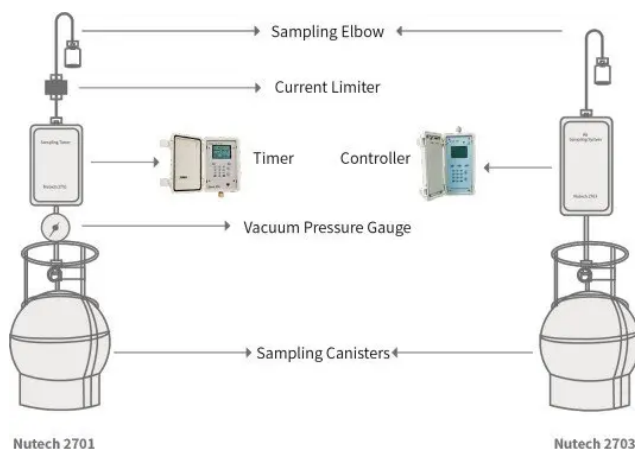


## Sampling Device

The Nutech 2703 automatic sampling device is an ideal product for automated air sampling. It is useful for standard environmental testing, scientific research, and 3rd party monitoring. Features include: an integrated timer, flow control, pressure reading, leak checking, auto QA/QC, a smartphone app with access to full system control.

Compared with its predecessor 2701, the updated 2703 integrates the current limiter, timer and vacuum pressure gauge in one controller which makes it the most advanced air/gas sampler on the market.



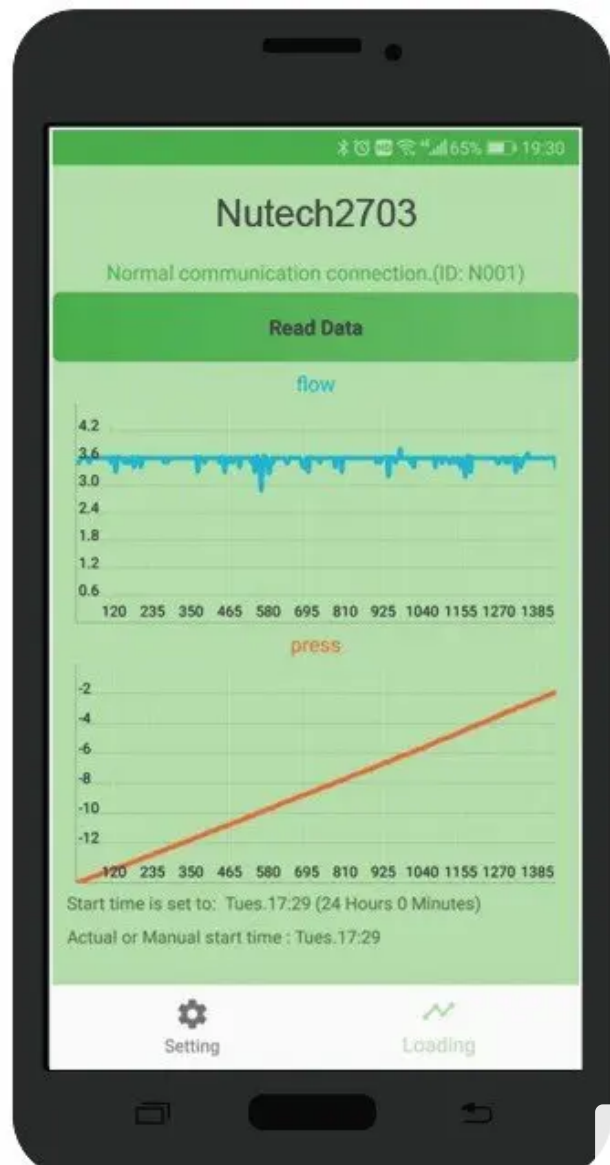
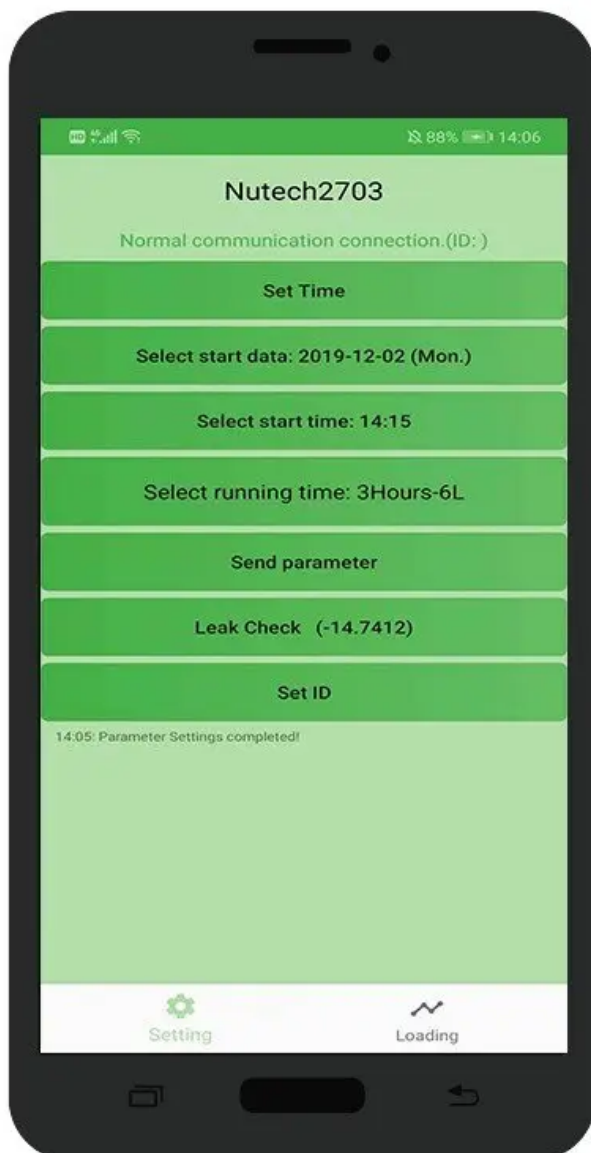
## Features of Nutech 2703 Automatic Sampling Device

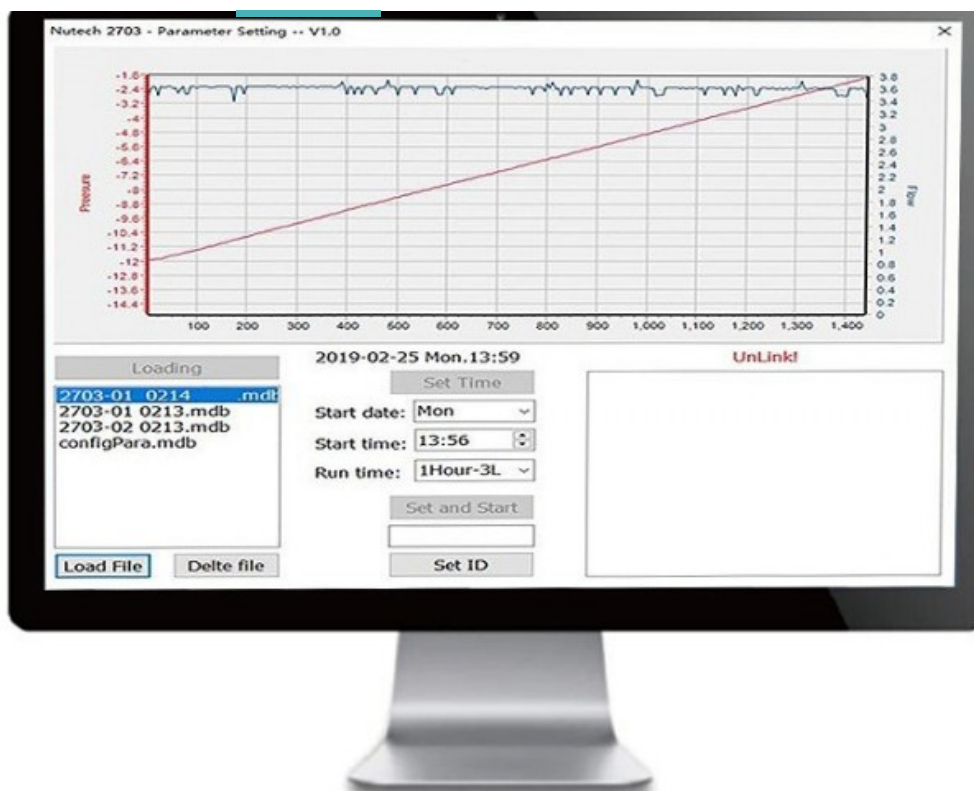


### 1. Full Automation & Ease of Operation

- The 2703 has the latest generation controller, which includes integrated flow control, timing, and pressure reading functions.
- The 2703 can be controlled by the on-board PLC, as well as by PC and smartphone. The sampling parameter settings are intuitive and user friendly.
- The wireless control of automated start and stop time reduces time in the field and labor costs.

### Nutech 2703 Air Sampler Smartphone Operation Interface





## 2. Great Battery Performance

The 2703 features a high-capacity (8700mAh) Li-Ion rechargeable battery and has low power requirements, allowing it to last up to 7 days without recharging.

## 3. Strong Adaptability

The 2703 has a durable plastic protective cover, and is both water proof and dust proof. It

- has the option of being upgraded to a stainless steel cover. It is also equipped with a filter kit, allowing for operations in all but extreme weather conditions.

The unit's modular design allows it to be combined with various sampling media,

- including cartridges, Summa canisters, and Tedlar<sup>®</sup> bags.

## 4. High Precision & Minimal Limitations

The 2703's precise flow control uses built-in high precision pressure and flow sensors. The

- unit avoids the blockage problems and limitations associated with current mechanical air samplers.

Silanized paths minimize the carryover and contamination.

•

## 5. Quality Control





## 2701 Automatic Air Sampling Device (2703 Predecessor Model)

1. Adopting PLC control and automatically starting sampling program through time setting.
2. The 2701 has a stainless steel protective body, and is both water proof and dust proof. It is also equipped with a filter kit, allowing for operations in all but extreme weather conditions.
3. The unit's modular design allows it to be combined with various sampling media, including cartridges, Summa canisters, and Tedlar bags.
4. Silanized paths minimize the carryover and contamination.
5. The 2701 uses capillary current limiter, which reduces the probability of blockage compared with orifice plate current limiter.



Nutech 2701 Timer

## Nutech Instruments Product Family

**Air Lab Sample Prep  
Products**

**Air/Gas Sampling  
Products**

**Online VOCs  
Analysis Products**

**Portable VOCs  
Analysis Products**





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3610 Autosampler

2104 Canister  
Cleaning System

2203 Precision Static  
Dilutor

7000 NMHC  
Analyzer

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Home | Nutech N20 TVOC Online Analyzer

## Nutech N20 TVOC Online Analyzer



The Nutech N20 TVOC online analyzer is suitable for continuous and real-time online monitoring of total volatile organic compounds (TVOCs). Likely pollution sources include petrochemical, chemical, cement building materials, rubber products, biopharmaceutical, industrial coating, packaging and printing, electronic information, synthetic materials, textile printing and dyeing, solid/hazardous waste disposal, and landfills

## Features of Nutech N20 TVOC Online Analyzer

### 1. Real-time Online, Fast Response

Direct FID detection without chromatographic column, quantitative tube or quantitative ring, instantaneous (0.1s) response.

### 2. Strong Anti-interference Ability

Using reliable internal heating technology, the gas is discharged from the exhaust port until it is detected by FID. The process of heat tracing can avoid condensation and water



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interference of fine particulate matter, acids/bases, water, carbon dioxide and other compounds commonly found in industrial exhaust gas.

### 3. Mature Technology and Stable Data

- With FID detector, all volatile organic compounds have a good response, mature and reliable technology, wide linear range and stable data, meet with EPA-25A.

### 4. High Automatic

- The instrument can automatically select measuring range, ignition, fuel shutdown, flameout indication, automatic calibration and zero adjustment by program control.

### 5. Extensibility

- Single or double channels can be selected according to the working conditions (that is, one instrument can monitor two pollution sources online at the same time). When the physical distance of flue gas is relatively close, the design of double channels can effectively reduce user costs.

If equipped with sampling pipeline, zero/hydrogen generator, controller, etc., the on-line monitoring system can be formed and seamlessly docked with the upper data management system.

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## Technical Data of Nutech N20 TVOC Online Analyzer

Test Method	FID
Measurement Range	0.1 ppb to ppm level
Linearity	RSD< 10%
Repeatability	RSD< 5%
Stability	RSD< 5%
Drift	±5% (F.S)
Maximum Power	0.6kW
Voltage	110V/60Hz or 220V/50Hz±10%



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2203 Precision Static Dilutor

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2703 Automatic Air Sampling Device

2600ST Multifunctional Automatic Air Sampling System

2600GT Carry-on Automatic Multifunctional Sampling System

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6000-C NMHC Online Analyzer

6000-5D VOCs Online Analyzer

PCGC-TOF VOCs Online Analysis System

N20 TVOC Online Analyzer

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