

TCRTECORA® POLLUTION CHECK

Portable and Constant Flow Sampler

DELTA X

MAIN FEATURES

- ⊗ Single or Double line sampler;
- ⊗ Standard Flow: range 50-22000 cc/min;
- ⊗ Extended Flow: range 50-52000 cc/min;
- ⊗ Display 7" touch screen;
- ⊗ USB port to download data;
- ⊗ Flow recalibration by the user;
- ⊗ Possibility to memorize up to 125 samplings;
- ⊗ Lithium-ion battery (option);
- ⊗ Optical particle counter 24 classes (option);
- ⊗ Real time PM10 - PM2,5 - PM1 (option);
- ⊗ Weight: 6 Kg single line version, 9Kg double line version;
- ⊗ Suitable for a wide range of indoor application;
- ⊗ Compliant with EN482 and EN1232.



MAIN APPLICATIONS

Thanks to its peculiarity, **DELTA X** suitable for a wide range of indoor applications, among which:

Particles:

- ⊗ Total Particles
- ⊗ Asbestos
- ⊗ Inhalable fraction
- ⊗ Breathable fraction

Gas:

- ⊗ Adsorption on liquid fase (con impinger)
- ⊗ Adsorption on solid phase (with vial)
- ⊗ Air sampling with Altef bag or other compatible material



OCCUPATIONAL
HEALTH



DELTA X is a new portable sampler developed and build by **TCR Tecora®**.

Thanks to advice get in the last few years from Delta and Delta MK2 version, R&D division (<https://environmental-research.tcr-tecora.com/>) has introduced more functionalities in the new version **DELTA X** that makes this new version a valid work instrument.

DELTA X is a constant flow sampler with the possibility to have a wide flow range from 50 to 22000 cc/min (single line version), or as alternative it is possible to have **DELTA X DUO** version that can manage two single independent sampling lines from 50 to 25000 cc/min on a single line or in case is necessary more flow it can use two lines in parallel with a maximum flow up to 50 l/min.

This instrument can be equipped with a lot of options:

- ⊗ Speed and wind direction sonic sensor;
- ⊗ OPC (optical particle counter) for real time determination of 24 dimensional classes complete with PM10 – PM2,5 – PM1 measurements;
- ⊗ Telescopic fast-lock system for filter holder installation;
- ⊗ Transport system with shoulder belt;
- ⊗ Possibility of remote control by Wi-Fi





DELTA X

TECHNICAL FEATURES

Flow Regulation	Automatic electronic in the range of 50-50000 cc/min depending on version ;
Mass flow	Best precision $\pm 2\%$;
Volume flow	Best precision $\pm 2\%$;
Temperature sensor	Digital;
Range (resolution)	-10° - +60 °C [0.01 °C];
Precision	Best 1% f.s. ± 0.5 °C;
Response time T_{90} (regulation)	<5 sec;
Pump	Membrane pump single or double head;
Operating Temperature	-10° - +40 °C 95% UR (option sensor);
Power source	Lithium-ion battery or network adapter 110 / 220 Vac 50 / 60Hz;
Autonomy	Over 8 hours;
Display	L7" 640x480;
Keyboard	Resistive Touch screen;
Interface	USB WI-FI option;
Data storage	Up to 125 reports;
Weight	6 Kg single version 9 Kg double version;
Dimensions	31 x 20 x 31cm;
Battery	24 Vdc double line 12 Vdc single line;
OPC PM data	Real time PM10 - PM2.5 - PM1;
OPC count data	24 dimensional classes;
W/DV sensor	Biaxial sonic sensor 0-40 m/s;
Hepa filter	Protection for microbiologic sampling line.

CODES

DELTA X DUO 0.05 - 50 l/min	AC99-004-0134SP
DELTA X 0.05 - 22 l/min	AC99-004-0134S
DELTA X battery	AC99-004-0140SP
DELTA X DUO battery	AC99-004-0141SP
OPC PM/Count data	AC99-004-0150SP
Telescopic column filter holder	AC99-004-0160SP
CO ₂ sensor 0-5000 PPM	AC99-004-0170SP
Wind speed and direction+HR	AC99-004-0180SP



DELTA X



Single Sampling
from 50ml/min to 22 l/min

DELTA X DUO



Line A
50ml / min to 25l/min

Line A+B Single
50ml / min to 50l/min

Line B
50ml / min to 25l/min

