

# ASX-280 Compact Autosampler

22 Years of Automation  
Excellence and Reliability!



## Perfecting the Standard

More features and improved performance define the next generation of autosampler from Teledyne CETAC Technologies. The compact ASX-280 Autosampler builds upon the reliability of its predecessors with latest generation electronics, improved accessory interfaces, enhanced pumping capabilities, easier serviceability and a sleek new design!

The ASX-280 keeps the durable features of prior Teledyne CETAC autosamplers which have proven their worth in tens of thousands of laboratories and countless hours of operation. The enhanced features of the ASX-280 mean that it is ready to tackle an even wider range of analytical techniques and environments, including AA, ICP, ICP-MS, TOC, UV-VIS, fraction collection, liquid handling and more.



# ASX-280 Autosampler

Proven Reliability, Improved Performance and Longevity



- Durable, reliable – 2 year warranty
- Dual rinse station
- Better chemical compatibility
- Improved pumping and movement
- Refined and configurable XYZ movement

## Technical Specifications

### Dimensions:

Height: 62 cm (24.4") with sample probe

Width: 35.5 cm (14")

Depth: 55 cm (21.6")

X-Axis: 22.2 cm (8.74")

Y-Axis: 30.0 cm (11.81")

Z-Axis: 15.5 cm (6.10")

Pump: 0 – 80 mL/min

Weight: 8.1 kg (17.8 lbs)

Tray: 2 rack capacity

### Speed:

| Axis | Min        | Max        |
|------|------------|------------|
| X    | 100 mm/sec | 330 mm/sec |
| Y    | 73 mm/sec  | 411 mm/sec |
| Z    | 164 mm/sec | 476 mm/sec |

### Autosampler Control Utilities

Autosampler Configuration tool for control of XYZ and pump

Firmware Updater Utility

IQ/OQ and Log Extractor Utilities

### Communication Interface

Serial (RS-232) port

USB (virtual COM port)

### Power Requirements

100-240 VAC, 47-63 Hz, 1.9A

### Options

ASXPRESS® PLUS Rapid Sample Introduction System

## Advanced Mechanical Design

- Injection molded parts
  - Better chemical compatibility
  - Improved high resolution applications
- Improved pump technology
  - Quieter
  - Easier tubing replacement options
  - Expanded flow capabilities, 0.1 – 80 mL/min (Conserve expensive rinse solution)
- Improved serviceability and accessory interfaces
- Dual rinse station

## Advanced Electronics

- Improved movement profile
  - Quieter
  - Refined and configurable XYZ movement
  - Expanded movement speed options
- Higher resolution positioning
  - Improved accuracy allows for 96-well plates
  - Active resonance control
- Electronic home position alignment
- Improved firmware and configuration utilities
- Backward compatible communications
  - Seamless upgrade path
- Proven technology for reliable performance