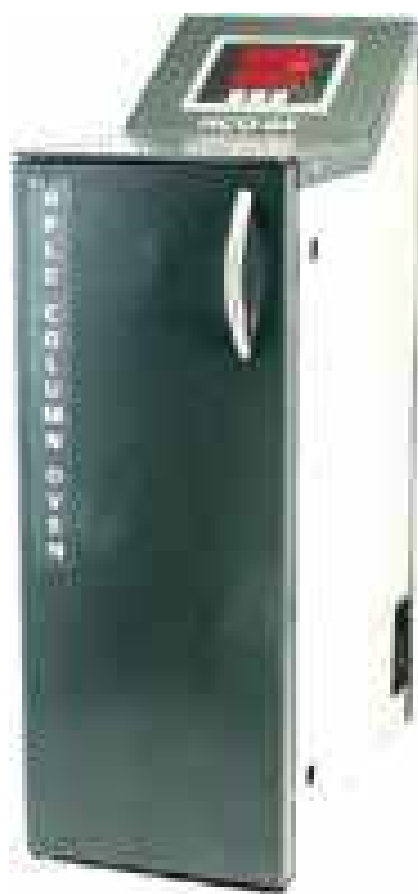


# HPLC COLUMN OVENS



EPCC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

**Analytical Technologies Limited**

An ISO 9001 Certified Company

[www.analyticalgroup.net](http://www.analyticalgroup.net)

## ▶▶ **PRODUCT INTRODUCTION**

For Mounting 2 column of 300mm length with Complete Micro Controller / PID Controller with Special features, which can be adjusted by end user through front panel feather touch Keys

## ▶▶ **TECHNICAL SPECIFICATION**

- Temperature Range:- + 5° above ambient to 100°C
- Accuracy :- +/- 0.1°C
- Control Action :- Complete PID controller with low & high temp calibration facility, PID parameter & Temp Overshoot facility (Settable)
- Oven Heating type: Block Heater Type
- Stabilization time: 15 min.
- Sensor Fail/Break : No power to oven heater & 'SO' indication on front display
- Control Output : 3 Amp SSR Output, 230 V, resistive load
- Status Indication : By 2 LEDs (Heater ON, Alarm Buzzer ON)
- Key Board : Feather touch keys
- Programme memory : Non-Volatile memory for set temp. & other parameters
- Power Supply : 230 V AC +/- 10%, 50 Hz, 120VA
- Oven Accomodate : 30 cm long column or small columns with guard column
- Oven Mounting : Vertical or Horizontal
- Size (for CTO-02) : 105 x 118 x 425 mm
- Weight : 8 kg (Approx)

MODEL : CTO-3002



## ▶▶ **PRODUCT INTRODUCTION**

For Mounting 3 column of 300mm length with Complete Micro Controller / PID Controller with Special features, which can be adjusted by end user through front panel feather touch Keys

## ▶▶ **TECHNICAL SPECIFICATION**

- Temperature Range:- + 5° above ambient to 100°C
- Accuracy :- +/- 0.1°C
- Control Action :- Complete PID controller with low & high temp calibration facility, PID parameter & Temp Overshoot facility (Settable)
- Oven Heating type: forced air circulation
- Stabilization time: 15 min.
- Sensor Fail/Break : No power to oven heater & 'SO' indication on front display
- Control Output : 3 Amp SSR Output, 230 V, resistive load
- Status Indication : By 2 LEDs (Heater ON, Alarm Buzzer ON)
- Key Board : Feather touch keys
- Programme memory : Non-Volatile memory for set temp. & other parameters
- Power Supply : 230 V AC +/- 10%, 50 Hz, 120VA
- Oven Accomodate : 30 cm long colum or small colums with guard column
- Oven Mounting : Vertical or Horizontal
- Size (for CTO-04) : 165 x 310 x 508 mm
- Weight : 9 kg (Approx)

MODEL : CTO-3004



## ▶▶ **SALIENT FEATURES**

- Precise Temperature Control
- Digital display of set & actual temperature
- Insures reproducible analysis
- Accepts varieties of column sizes
- Assures safe, accurate control action

## ▶▶ **MODEL SELECTION**

- CTO-3002 : Inbuild temperature controller & oven
- CTO-3004 : Force air circulation heating type oven
- CTO-3005 : Block heater type

## ▶▶ **CONSIST OF**

- Micro controller based / PID temperature controller
- Oven module

## HPLC Servicing, Validation, Trainings and Preventive Maintenance :

**HPLC Servicing** :HPLC Servicing : We have team of service engineers who can attend to any make of HPLC promptly @the most affordable cost.

**Trainings** :We also take up preventive Maintenance to reduce downtime of HPLC's Trainings.

**AMC's/CMC** :AMC's/CMC :We offer user training both in-House and at customer sites on HPLC principles, operations, trouble-shooting.

**Validations** :Validations :We have protocols for carrying out periodic Validations as per GLP/GMP/USFDA norms.

**Instruments** :Instruments :We offer instruments/Renting Services Modules like pumps,detector etc. on Rent.



## About Analytical Technologies

Analytical Technologies is synonymous for offering technologies for doing analysis and is the Fastest Growing Global Brand having presence in at least 96 countries across the global. Analytical Technologies Limited is an ISO:9001 Certified Company engaged in Designing, Manufacturing, Marketing & providing Services for the Analytical, Chromatography, Spectroscopy, Bio Technology, Bio Medical, Clinical Diagnostics, Material Science & General Laboratory Instrumentation. Analytical Technologies, India has across the Country operations with at least 4 Regional Offices, 6 Branch Offices & Service Centers. Distributors & Channel partners worldwide.

## Our Products & Technologies



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Optical Emission  
Spectrophotometer



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Semi Auto Bio  
Chemistry Analyzer



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Analyzer



Micro Plate  
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Urine Analyzer



Total Organic  
Carbon 3800



Fully Automated  
CLIA



NOVA-2100  
Chemistry Analyzer



PCR/Gradient PCR/  
RTPCR



TOC  
Analyzer



Laser Particle  
Size Analyzer



Ion Chromatograph



Water purification  
system

## Regulatory compliances



## Corporate Social Responsibility

Analytical Foundation is a nonprofit organization (NGO) found for the purpose of:



# Analytical Foundation

1. Research & Innovation Scientist's awards/QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at [Info@analyticalfoundation.org](mailto:Info@analyticalfoundation.org)

2. Improving quality of life by offering YOGA Training courses, Work shops/Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds,souls and body by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.



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