



PCOD-810

PORTABLE COD ANALYZER WITH DIGESTER

Introduction

TOP INSTRUMENT Chemical Portable COD Analyzer is the use of sealed catalytic digestion, and then colorimetric measurements. The instrument uses advanced, narrow-band interference technology.

Features

- Analyzer apart with digestion device, does not affect measurement accuracy. PID automatic temperature control, automatic timing.
- High-performance ultra-low power 16-bit microcontroller, standby time of the instrument is up to six months or more.
- Operation save time, COD digestion just 10min.
- Cold light, narrowband interference optical system, good optical stability.
- Data power protection.
- COD can be saved for each standard curve 50 and 199 measured values (with a time label with the year, month, day, hour, minute and second values of COD, absorbance and transmittance)
- With a USB port, you can join the computer to record read.

- LCD large-screen LCD for easy and intuitive operation.
- Host chassis with molded ABS material, IP65 design, waterproof and dustproof performance.
- With calibration tube function, eliminating the optical differences digestion tubes, to ensure accuracy.
- Optional printing function and emergency backup battery.

Technical Parameter

Measurement range	COD: 5 ~ 2000mg/L, measured over dilution	Indication error	COD: $\leq \pm 5\%$
Repeatability	$\leq 3\%$	Anti-chlorine interference	$\leq 2000\text{mg/L}$
Temperature control accuracy	$\pm 1^\circ\text{C}$	Temperature control system	can be set at room temperature $\sim 180^\circ\text{C}$, COD digestion temperature is 165°C
digestion time	COD is 10min	Temperature control time	adjustable from 1 to 9999min
Batch volume	4 water samples (or choose 16 water samples)	Optical stability	the instrument absorbance value drifts less than 0.002A within 20min
Power consumption	current $< 40\mu\text{A}$; digester power consumption: $< 65\text{W}$	Weight:	Main unit 0.5kg; digestion instrument 1kg
Dimensions	measuring instrument 80mm*230mm*55mm; Digestion instrument 105mm*160mm*90mm		
Normal use conditions			
Ambient temperature	5 to 40°C	Relative humidity	$\leq 85\%$
Power supply	Host: AA Battery*4 Digestion instrument: car cigarette lighter or 220V power supply (or optional battery power supply)	No significant vibration and electromagnetic interference, avoid direct sunlight.	