

WATER ANALYSIS

COD Reactor / Detector
 CR 25
 CD 200
 Multiparameter Colorimeter
 WD 100
 Portable pH / Cond. / Res. Meter
 EC-200 / 210 / 220 / 230
 Accessories

COD Reactor



Features

- **Compliance with regulations**

CR25 COD reactor is used to digest closed reflux COD vial according to ST-COD method (ISO 15705:2002) and can meet USEPA 410.4. It is easier and safer than traditional open reflux titrimetric method.
- **Special COD program**

Press start button, the reactor heats up to set temperature and countdown automatically.

Stored program:
 (1) COD: 150°C, 120 min (Standard mode)
 (2) COD2: 165°C, 20 min (Preheated mode)
- **2 additional user programs**

Temperature setting range from 30°C – 200°C and timer from 1 – 999 min. Built-in 2 additional heating program settings available for users to store and execute as needed.
- **Auto shut off and audio alarm**

CR25 can stop heating then shut off automatically with audio alarm when every program is completed.
- **International certification**

CE certification
- **One-Year Warranty**

Applications

- Waste water test from factories
- Water quality test in lake, pond and river

Ordering Information

179250-11/22
 CR 25, COD Reactor
 AC110V, 60Hz (AC220V, 50Hz)
179250-43
 Protective Lid



CR 25



Protective lid (optional)

Protect users from splattering reagents in case vials are broken during digestion.

Specification

Model	CR 25
Display	OLED
Temperature range	Fixed 150°C / 120 min (COD program), 165°C / 20 min (COD2 program), 150°C / 30 min (TP program), 105°C / 30 min (TN program), 120°C / 30 min (TPN program), 105°C / 120 min (TOC program) and 30°C~200°C adjustable.
Accuracy	±2°C
Stability	±1°C
Timer	30 / 60 / 120 min (via fixed program), 1 – 999 min and continuous mode
Housing structure	Stainless steel
Number of vials	25 holes for φ16 mm vials
Power	AC110 V, 60 Hz (AC220 V, 50 Hz), 350 Watt
Safety	Anti-heat PTFE plate on the surface of heating block Auto shutoff when block temperature is over 220 deg. C
Dimensions (LxWxH)	30.5 x 19 x 11.5 cm

COD Detector



Features

- **Ideal for major brands of reagents**
CD 200 detector is equipped with multi-curve in single one unit offering not only built-in standard curve for Hach, Lovibond, Chemetrics reagents but also a simple method to set up standard curves for other brands of reagents.
- **Wide measure range**
CD 200 can measure COD value within 3 ranges of 10 - 150, 100 - 1500 and 1000-15000 mg/L.
- **Fast detection**
CD 200 can detect and save COD value in 3 seconds.
- **Data storage up to 100 records**
The built-in memory can store up to 100 records for convenient access.
- **International certification**
CE certification
- **One-Year Warranty**



CD 200

Specification

Model	CD 200
Brands of reagents	HACH, Lovibond, CHEMetrics and 6 user-defined reagent curves
Measure range	10 - 150 mg/L, 100 - 1500 mg/L, 1000 - 15000 mg/L
Display	LCD with backlight
Light source	LED
Working wavelength	420 nm , 610 nm
Wavelength choosing	Automatic
Detecting time	3 sec
Optical stability	≤ 0.005 Abs / 30 min
Storage	100 records
Data information	Concentration, sample number, time
Power supply	DC 9V battery or power adapter
Dimension (LxWxH)	23 x 12.5 x 8.5 cm

Applications

- Wastewater analysis from factories
- Water monitoring, such as surface water and groundwater
- Environment monitoring in lake, pond and river

Ordering Information

- 198200-01 (02)**
CD200, COD detector, AC100~240V adaptor, US plug (EU plug)
- HAC-2125825** HACH COD reagent vial 150 mg/L (25/PK)
- HAC-2125815** HACH COD reagent vial 150 mg/L (150/PK)
- HAC-2125925** HACH COD reagent vial 1500 mg/L (25/PK)
- HAC-2125915** HACH COD reagent vial 1500 mg/L (150/PK)
- HAC-2415925** HACH COD reagent vial 15000 mg/L (25/PK)
- AWE770110** Pipette (1000-5000 ul)
- SSI 5000-50** 5 ml Pipette tip (50/PK)

Multiparameter Colorimeter

Features

- **4 parameters in one instrument**
Built-in 4 standard curves including COD, Total Phosphorus, Total Nitrogen and Ammonia Nitrogen in one portable instrument.
- **Ideal for multiple users**
Up to 11 curves can be set up and saved in WD 100 so that it can be used by multiple users for different measurement.
- **High-efficiency measurement**
Detect and save testing records in 3 seconds without preheating. Up to 100 data can be stored automatically.
- **User-friendly setting**
The favorite setting helps access the commonly used curves quickly.
- **International certification**
CE certification
- **One-Year Warranty**



WD 100

Specification

Model	WD 100
Brand of reagent	HACH
Standard program	COD, NH ₃ -N, TP, TN
Display	LCD with backlight
Light source	LED
Working wavelength	420 nm, 610 nm
Wavelength choosing	Automatic
Detecting time	3 sec
Optical stability	≤ 0.005 Abs / 30 min
Storage	100 records
Data information	Item, wavelength, concentration, sample number, time
Power supply	DC 9V batter or power adaptor
Dimension (LxWxH)	23 x 12.5 x 8.5 cm

Applications

- Wastewater analysis from factories
- Water monitoring, such as surface water and groundwater
- Environment monitoring in lake, pond and river

Ordering Information

- 191100-01(02)**
WD 100, Multiparameter Colorimeter with AC100-240V adaptor, US plug (EU plug)

Portable Water Testing Meter



Features

- Slope display after calibration (EC-210)
- Large LCD display for dual parameters
- Splash-proof housing, IP65
- Low battery indication (except EC-200)
- Automatic or manual temperature compensation
- One-Year Warranty

Applications

- Domestic water
- Industrial water
- Aquaculture water
- Swimming pool

Ordering Information

- 168200-01**
EC-200 pH meter
- 168210-01**
EC-210 pH meter
- 171220-01**
EC-220 Cond. meter
- 171230-01**
EC-230 Resis. meter

Specification

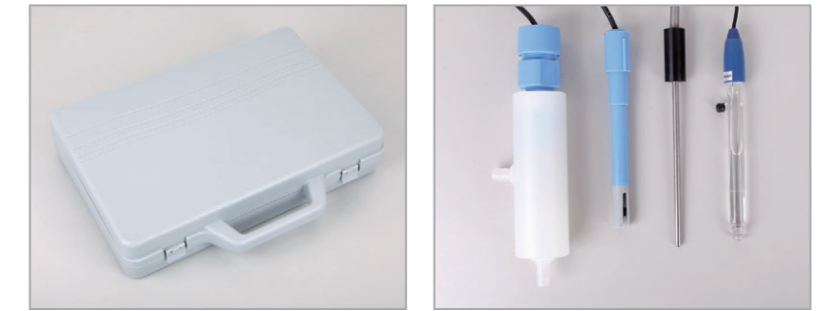
Model	EC-200	EC-210	EC-220	EC-230
Parameter	PH/ORP	PH/ORP	Conductivity	Resistivity
Range				
PH	0.00~14.00	0.00~14.00	—	—
ORP (mV)	-1999~1999	-1999~1999	—	—
Conductivity	—	—	0~20.00,200.0 μs/cm	—
	—	—	0~2000,20.00 ms/cm	—
	—	—	Auto Range	—
Resistivity(MΩ)	—	—	—	1.00~18.2 MΩ
Temperature	—	0.00~99.9°C	0.00~99.9°C	0.00~99.9°C
Accuracy				
PH	0.01±1digit	0.01±1digit	—	—
ORP (mV)	1±1digit	1±1digit	—	—
Conductivity	—	—	±1% full scale	—
Resistivity(MΩ)	—	—	—	±1% full scale
Temperature	—	±0.5°C	±0.5°C	±0.5°C
Temp. compensation	Manual	Auto	Auto	Auto
Calibration point	2	2	1	—
Power	DC9V	DC9V	DC9V	DC9V

* Each unit includes an electrode, standard solution 30ml (Except EC-230), carry case is optional.

Accessories

Features

- High Accuracy: ± 0.01pH
- COA certificate is supplied with each bottle.



Specification & Ordering Information

pH Electrodes							
Cat. No.	Type	Application	Connector	Internal element	Junction	Size	Cable
168210-13	Glass	General Purpose	BNC	Ag/AgCl	Ceramic	φ 12 x 155 mm	1m
168210-16	ATC probe						
pH Buffer				Conductivity Electrode			
Cat. No.	Description	Shelf year	Cat. No.	Description			
168400-50	pH 4.01 ± 0.01, 500 ml	2 years	171220-30	Conductivity Electrode, K=1.0, 1 meter (For EC-220)			
168700-50	pH 7.00 ± 0.01, 500 ml	2 years					
168100-50	pH 10.01 ± 0.01, 500 ml	1 year					
KCL Buffer			Carry case				
Cat. No.	Description	Shelf year	Cat. No.	Description			
168103-50	3M KCl, 500 ml	2 years	168106-01	Carry case			
				Resistivity Electrode			
Cat. No.	Description						
171230-30	Resistivity Electrode, 1 meter . (For EC-230)						