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SPECIFICATIONS

DOCUMENT #W910-3

YSI 910 COD Colorimeter

Single Parameter Colorimeter for COD

The 910 COD colorimeter is the newest addition to YSI's line of colorimeters. This rugged, waterproof, single parameter colorimeter for COD, in three different ranges, is ideal for laboratory and field testing.

The 910 instrument features a large, backlit display, a real time clock, automatic data logging as well as the ability to export data to a computer or printer using the 900 Series Data Hub for infrared data transfer.



Parameters:

COD (Low range, Mid range or High range)

COD Disposal Program:

YSI offers a COD vial disposal program through Safety-Kleen. Visit YSI.com/910 to learn more.



The 910 is an ideal solution for simple, accurate COD measurements.



- Quickly, easily and accurately measure COD*
- Automatic Data Storage; 16-data sets with date and time stamp. Export data with the 900 Series Data Hub infrared data transfer.
- Large, easy to read backlit LCD display
- IP68 waterproof case; easy to hold or set on a benchtop
- Factory calibrated; User-calibration possible
- Resolution can be improved for specific range requirements
- Hg-free reagents also available
- 2-year warranty

** A thermoreactor is required for COD tests*

YSI 900 Series Data Hub



- Infrared data transfer
- Easily connects to a PC, USB printer or serial printer
- Data can easily be saved in Excel or as a .txt file
- Includes software to easily start transferring your data from the 910 COD instrument
- Simply bring your instrument near the Data Hub to transfer your data and move on to conducting more measurements

YSI.com/910

910 COD Colorimeter General Specifications

Power Supply	4 alkaline AAA batteries; approximately 17 continuous hours or 5,000 tests
Auto Shutoff	20 minutes after last key press; audible signal
Operating Range	5° to 40°C (41° to 104°F); 30-90% relative humidity
Display	Backlit LCD
Memory Capacity	16 data sets with date and time stamp; automatic
Weight	260 g (0.5 lbs)
Dimensions	15.5 L x 7.5 W x 3.8 H cm (6.1 L x 3 W x 1.5 H in)
Interfaces	Infrared interface with the 900 Series Data Hub (optional) for data transfer
Operation	Acid/solvent resistant case; touch-sensitive keypad with audible feedback; factory calibrated; user calibration possible; reset to factory cal
Certifications	CE; IP68 waterproof rating (1 hour at 0.1 meter); floats
Colorimetric Resolution	0.01 A (absorbance)
Photometric Accuracy*	3% FS (T = 20° to 25°C) (68° to 77°F)
Wavelength Accuracy	±1 nm
Warranty	2 year
Optics	LEDs, 2 interference filters (IF) and photo sensor in a transparent chamber. Interference filters are range dependent. Wavelength Range: 430 nm IF $\Delta\lambda = 5$ nm for range 0 to 150 mg/L 610 nm IF $\Delta\lambda = 5$ nm for ranges 0 to 1,500 mg/L and 0 to 15,000 mg/L

910 COD Colorimeter Technical Specifications

COD Low Range	Range	0 to 150 mg/L
	Method	Dichromate/H ₂ SO ₄
	λ	430
COD Mid Range	Range	0 to 1,500 mg/L
	Method	Dichromate/H ₂ SO ₄
	λ	610
COD High Range	Range	0 to 15,000 mg/L
	Method	Dichromate/H ₂ SO ₄
	λ	610

910 COD Colorimeter Ordering Information (order items separately)

250910Y	Model 910 colorimeter for COD	
251990Y	COD, Low Range, vials, pack of 25	0 to 150 mg/L
251990LPY	COD, Low Range, vials, pack of 150	0 to 150 mg/L
251991Y	COD, High Range, vial, pack of 25	0 to 1,500 mg/L
251991LPY	COD, High Range, vials, pack of 150	0 to 1,500 mg/L
251992Y	COD, High Range Plus, vials, pack of 25	0 to 15,000 mg/L
251992LPY	COD, High Range Plus, vials, pack of 150	0 to 15,000 mg/L
251984Y	COD, High Range Plus, vials, Hg Free, pack of 25	0 to 15,000 mg/L
251985Y	COD, High Range, vials, Hg Free, pack of 25	0 to 1,500 mg/L
251986Y	COD, Low Range, vials, Hg Free, pack of 25	0 to 150 mg/L
1P21-2Y	Thermoreactor for COD and thermal digestions; up to 12 vials; 3 reactor temperatures and 8 fixed programs; 115 V	
1P22-2Y	Thermoreactor for COD and thermal digestions; up to 24 reaction vials; selectable temperatures and 8 fixed/8 user defined programs; 115 V	
1P23-2Y	Thermoreactor for COD and thermal digestions; 2 x 12 reaction vials; selectable temperatures and 8 fixed/8 user defined programs; 115 V	
200900Y	900 Series Data Hub for Infrared Data Transfer	

* Measured with standard solution

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