



EPA Compliance

Many YSI instruments comply with EPA approved test methods for the measurement of several parameters in water. Therefore, these instruments can be used for water analysis and reporting to programs regulated by the EPA such as The Clean Water Act and National Pollutant Discharge Eliminations System (NPDES). The parameters and associated EPA approved test methods to which YSI instruments comply are outlined below. The EPA's approved test methods for water analysis are listed in [USA Federal Register 40 CFR Part 136](#).

YSI instrument measurements comply with the following test methods:

Parameter	EPA Approved Method(s) used by YSI
BOD ¹ with electrochemical DO sensor	<ul style="list-style-type: none">• Standard Method² 5210 B• ASTM Method D888-09 (C)³
BOD ¹ with optical DO sensor	<ul style="list-style-type: none">• ASTM Method D888-09 (C)³
CBOD ¹ with electrochemical DO sensor	<ul style="list-style-type: none">• Standard Method² 5210 B• ASTM Method D888-09 (C)³
CBOD ¹ with optical DO sensor	<ul style="list-style-type: none">• ASTM Method D888-09 (C)³
pH	<ul style="list-style-type: none">• Standard Method² 4500-H⁺ B• USGS Method I-1586-85
Dissolved Oxygen with electrochemical DO sensor	<ul style="list-style-type: none">• Standard Method² 4500-O G• ASTM Method D888-92,03 (B)• USGS Method I-1576-78
Dissolved Oxygen with optical sensor	<ul style="list-style-type: none">• ASTM Method D888-09 (C)³
Specific Conductance	<ul style="list-style-type: none">• EPA Method 120.1• Standard Method² 2510 B
Temperature	<ul style="list-style-type: none">• Standard Method² 2550 B

1. YSI instruments use DO sensors that can measure the initial and final DO readings for a BOD and CBOD test.
2. *Standard Methods for the Examination of Water and Wastewater*, 18th, 19th and 20th editions.
3. ASTM Method D888-09 (C) is written to the Federal Register as a proposed rule by the EPA. Comment period for the proposed method closed on 11/22/2010.