

Model 910 Single Beam Photometer

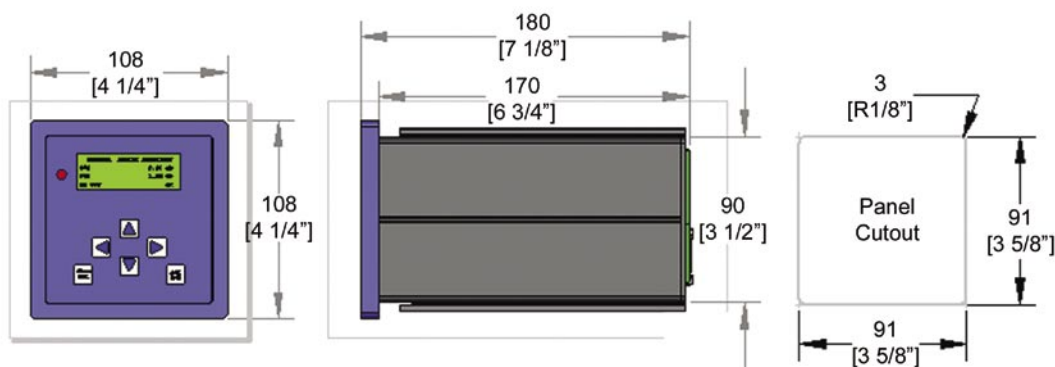
Measures Solids
and Absorbance



The Model 910 is microprocessor based and used with either a Model AF10, AF11, DP11, or AF12 online sensor to measure the spectral absorbance of process liquids in the visible and NIR region of the electromagnetic spectrum

- Measures solids and absorbance up to 5 AU/OD units. Actual range dependent on pathlength.
- 4 X 20 character alphanumeric display and 6 button input for simple navigation
- Two 4-20 mA analog outputs
- User-friendly menu based calibration: liquid free calibration using the EasyCal™ system and wet calibration using prepared liquid standards
- Four configurable digital inputs and three optically isolated digital outputs can be connected to a PLC for inclusion in a control scheme
- Built-in diagnostics to report any system errors or alarms, including sensor failures, open cable and internal processor exceptions
- Baseline and baseline shift functions allow operator to manually set artificial zero point
- Advanced log amp provides improved response characteristics
- Front panel environmental protection level is rated at NEMA 4/IP65 - optional NEMA 4/IP65 field mount enclosures available

Model 910	Specifications
Signal inputs	Single channel current from Model AF10/AF11/DP11/AF12 online sensor
Range	Up to 5 AU/OD.
Accuracy	±1 % of measurement range
Linearity	±1 % of measurement range
Signal outputs	General alarm relay contact, 125 mA 115 Vac resistive load 2 - Process relay contact, 125 mA 115 Vac resistive load 2 - fully isolated 4-20 mA, 1000 ohm load
Power	100 to 250 Vac, 50/60 Hz, 15 VA, (optional 18-36 Vac, 10 W)
Operating environment	Temperature 0-55 °C; relative humidity 0-90 %



Dimensions
Diagram

910		
	Line Power	
	C	AC
	D	24 Vdc
	Analyzer Type	
	S1	Solids/absorbance

Order
Code

AF10/AF12 Sensor Cable Sets	
A050-1012-10	Model 910 to AF10/AF12 cable set - 10 ft
A050-1012-15	Model 910 to AF10/AF12 cable set - 15 ft
A050-1012-25	Model 910 to AF10/AF12 cable set - 25 ft
A050-1012-50	Model 910 to AF10/AF12 cable set - 50 ft
A050-5312-10	Model 910 to AF10/AF12EXP FM, Busbar ISB cable set - 10 ft
A050-5312-15	Model 910 to AF10/AF12EXP FM, Busbar ISB cable set - 15 ft
A050-5312-25	Model 910 to AF10/AF12EXP FM, Busbar ISB cable set - 25 ft
A050-5312-50	Model 910 to AF10/AF12EXP FM, Busbar ISB cable set - 50 ft
A050-5512-10	Model 910 to AF10/AF12EXP CENELEC, Busbar ISB cable set - 10 ft
A050-5512-15	Model 910 to AF10/AF12EXP CENELEC, Busbar ISB cable set - 15 ft
A050-5512-25	Model 910 to AF10/AF12EXP CENELEC, Busbar ISB cable set - 25 ft
A050-5512-50	Model 910 to AF10/AF12EXP CENELEC, Busbar ISB cable set - 50 ft
A050-5812-10	Model 910 to AF10/AF12EXP FM, DIN rail ISB cable set - 10 ft
A050-5812-15	Model 910 to AF10/AF12EXP FM, DIN rail ISB cable set - 15 ft
A050-5812-25	Model 910 to AF10/AF12EXP FM, DIN rail ISB cable set - 25 ft
A050-5812-50	Model 910 to AF10/AF12EXP FM, DIN rail ISB cable set - 50 ft
A050-5912-10	Model 910 to AF10/AF12EXP CENELEC, DIN rail ISB cable set - 10 ft
A050-5912-15	Model 910 to AF10/AF12EXP CENELEC, DIN rail ISB cable set - 15 ft
A050-5912-25	Model 910 to AF10/AF12EXP CENELEC, DIN rail ISB cable set - 25 ft
A050-5912-50	Model 910 to AF10/AF12EXP CENELEC, DIN rail ISB cable set - 50 ft

Accessories