

# Model 653 Absorbance Monitor



**The Model 653 absorbance monitor is used with a BT65 sensor to measure cell density in bacterial fermentation and mammalian cell growth applications**



- Adjustable digital signal processing feature minimizes interference caused by aeration and agitation
- Configures to operate as a solids monitor
- Measures up to 5 AU/OD units
- Remotely accessible range selection and auto zero function
- One 4-20mA analog output
- Volt free alarm output contact is suitable for direct connection to a PLC or inclusion in a control scheme
- Lamp fail indication and relay output
- Type 4 DIN plug in unit 3U x 14HP x 160mm deep (2.8"W x 5.1"H x 6.7"D) conserves space and simplifies mounting

## Model 653

## Specifications

Signal inputs	Single channel current from Model BT65 online sensor
Range	Up to 5 AU/OD
Accuracy	+/- 2% of measurement range
Linearity	+/- 1% of measurement range
Signal outputs	Lamp fail relay contact NO, 0.5A 115Vac resistive load Process alarm relay contact NO/NC, 0.5A 4-20mA, 400 ohm load 0-2Vdc, 10k ohm load
Power	115, 230Vac, 50-60Hz, 15VA optional 18 to 36Vdc, 10W
Operating environment	Temperature 0-55°C; relative humidity 0-90%

