

BONT[®]

Bont Technologies GmbH

TSS Analyzer BT200



Function & Features

- LCD Display
- Multi-parameter unit
- 4-wire installation
- Optical Sensor
- Wide Range
- Two(2) 4-20mA Analog Output Signal
- Auto Clean Function
- Configurable relays with reset button
- RS485 Communication
- IP65 rated
- EC Conformity By TUV



Technical Data

The BT-200 Water Analyzer controller provides digital sensor technology and covers Dissolved Oxygen, Total Suspended Solid, Liquid Density and Conductivity measurements. The ease of use and comfortable operation is performed thanks to the large display, plain text interface, quick access menu, easily accessible wiring terminals and quick setup guide. With the digital sensor technology provided by the water analyzer, installation and commissioning, configuration as well as maintenance becomes substantially easier.

Contents

BT-200 Water Analyzer Transmitters	1
Assembly, Dimensional Drawings	1
Specifications	1
Connector Pin Definitions	1
Ordering Information	2
BT 10 Sludge Density Sensor	2
Short Description, Specification	2
Drawing and Ordering Information	2
BT 20 Total Suspended Solid Sensor	3
Short Description, Specification	3
Drawing and Ordering Information	3

Water Analyzer Transmitter

Model	BT-200
Screen Width	LCD 70 x 38mm
Power	85-260 VAC; 50/60 Hz
Power Consumption	20 Watt
Ambient Temperature	-10 ~ 50°C
Alarm Contact	Max 5A / 240VAC - SPDT Relay
Engineering Unit	%, PPM, NTU, mg/m3 mg/l
Mounting	Panel or Wall
Panel Cut-Out Size	W137 ± 1 x H137 ± 1 x D90 (mm)
Dimension	W150 x H150 x D110 (mm)
Weight	1 Kg
Sampling Time	0.2 seconds
Display Accuracy	±1.0% F.S
Operating Temperature	0°C to 55°C
Operating Humidity	20 to 80% RH Max. (Non-condensing)
Protection	IP65 Front Panel
TUV Certification No.	TUV AE5017 7232 001
Report No.	17014563001
Conformity	2004 / 108 / EC
Emission	EN 50270 : 2006 EN 61000-3-2 : 2006 EN61000-3-3 : 1955+A1+A2



Sludge Density Sensor

Type	Indoor or Outdoor
Model	BT 10
Range	0-100,000 mg/l 0-100% density
Resolution	0.1%
Accuracy	± 2% Full Scale
Dimension	40mm dia. X 500mm length
Operating Temperature	0~55°C
Enclosure rating	IP68
Cable Entries	Integrated with 3 meter cable
Wetted Parts	SS304
Seal	Viton
Cable Type	4 core, 2 x twisted pair
Power	12VDC
Principle	Light Attenuation
Wave Length	860nm
Installation Type	Dip in
Mounting Immerse	0.3 meter to 5 meter
Optional Feature	Auto Clean System



Total Suspended Solid Sensor

Type	Indoor or Outdoor
Model	BT 20
Range	0-4000 ppm / NTU
Resolution	1 ppm
Accuracy	± 2% Full Scale
Dimension	40mm dia. X 200mm length
Operating Temperature	0~55°C
Enclosure rating	IP68
Cable Entries	Integrated with 3 meter cable
Wetted Parts	SS304
Seal	Viton
Cable Type	4 core, 2 x twisted pair
Power	12VDC
Principle	Light Attenuation
Wave Length	960nm
Installation Type	Dip in
Mounting Immerse	0.3 meter to 5 meter
Optional Feature	Auto Clean System



Ordering Information

1. When order please specify the type of sensor need
2. Measurement range required and engineering unit
3. Installation at Indoor or Outdoor
4. Operating Temperature and Pressure
5. Measurement point installation on pipe or river



Distributor:

Bont Technologies GmbH
Salzstr.1 21335 Lüneburg
www.bont-tech.com info@bont-tech.com