



JNTU6000 Controller With USB Feature



Low Range Turbidimeter with Integral Bubble Removal (0 to 100 NTU)



Suspended Solids (0 to 1,000 mg/L) Sensor with Wiper



Medium Range Turbidity (0 to 1000 NTU) & Suspended Solids (0 to 50,000 mg/L) Sensor with Wiper

JNTU6000 Turbidity & Suspended Solids Analyzer

Empowers you with accurate, compact and timely turbidity and suspended solids measurement.

Applications



Power Industry



Food & Beverages



Ultrapure / Drinking Water



Raw Water Treatment

In A Glance...

Leadtec JNTU6000 offers unrivaled user friendliness in measurement of turbidity and suspended solids via surface scatter technology. Its minimalistic and compact design offers lesser space consumption, maximizing the convenience of operation than any analyzers.

From drinking water to raw water, JNTU6000 is very practicable in many situations thanks to the reliability of ultra-

low to medium range turbidity and suspended solids measurement.

The operation and calibration can be performed easily with a friendly step-by-step interface.

Besides, the controller is well-equipped with analogue output and Field Bus Connection RS-485 communication.

Benefits

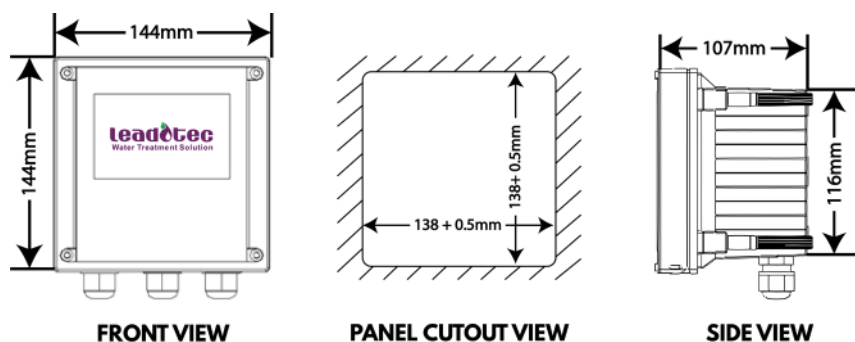
- ❖ **Robust & reliable;** Highest level of waterproof and dustproof analyzer for site measurement and easy installation.
- ❖ **Low maintenance cost;** A LED light source eliminates the need of replacement of bulb.
- ❖ **High accuracy;** Built-in bubble removal design to prevent condensation to maintain stable reading for low turbidity measurement, as well as built-in wiper for medium range turbidity and suspended solids measurement.
- ❖ **Clean-cut display;** Neat and organized functions allow zero hassle operation.

Specifications (Low Range Turbidity)

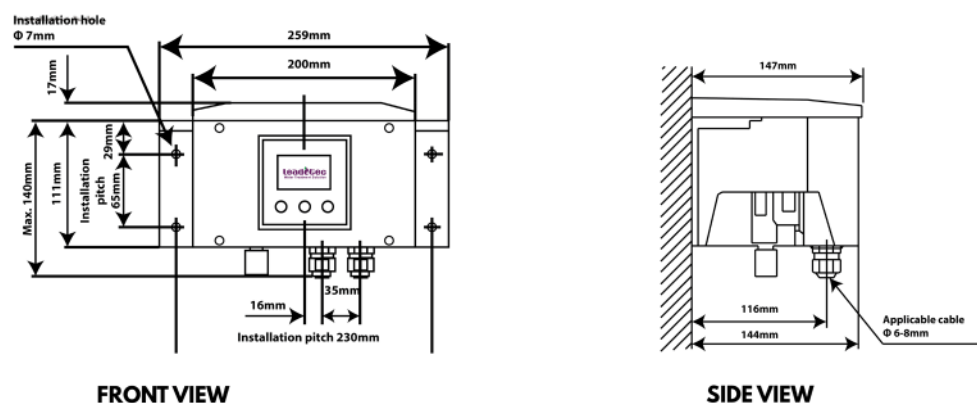
Measuring Method	Nephelometric 90° scattered light	Analogue Output	1 x 4-20mA electrically isolated, Max load 500Ω
Light Source	LED	Control Outputs	2 x Relay Outputs
Measuring Range	0.0001 to 100.00 NTU	Max. Relay Contacts Capacity	5A/250 VAC 5A/30 VDC
Accuracy	±2% of reading or 0.02 NTU, whichever is greater	Field Bus Connection	RS-485 MODBUS Communication
Display Resolution	0.0000 – 9.9999 NTU; 0.0001 NTU 10.000 – 100.00 NTU; 0.001 NTU	Baud Rate	9600, 19200 & 38400
Water Flow Rate	100 – 200 mL/min	Protection Class	IP65
Water Temperature	0 to +40°C	Language Selection	English
Operating Temperature	-20 to +50°C Humidity 95% RH or less	Electrical Connection	90 to 260 VAC or 24 VDC Power consumption < 5W
Main Materials	PP-GF AES SUS316L	Data Logging	USB extraction up to 500,000 data
Cable Length	3 m	Weight	0.85 kg (Controller) 2 kg (Turbidimeter)
		Installation	Panel / Wall / Pipe mount

Dimensions

JNTU6000



P-J001-EW1-S03FF



Design outlook subjected to change without prior notice.

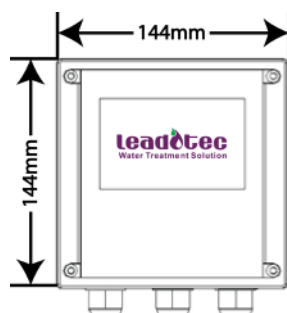
JNTU6000 with Low Range Turbidimeter (0 to 100 NTU)

Specifications (Medium Range Turbidity)

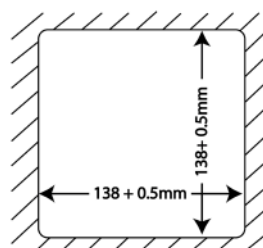
Measuring Method	Nephelometric 90° scattered light	Analogue Output	1 x 4-20mA electrically isolated, Max load 500Ω
Light Source	LED	Control Outputs	2 x Relay Outputs
Measuring Range	0.00 to 1000 NTU	Max. Relay Contacts Capacity	5A/250 VAC 5A/30 VDC
Accuracy	2% of reading or 0.05 NTU, whichever is greater	Field Bus Connection	RS-485 MODBUS Communication
Display Resolution	0.00 – 19.99 NTU; 0.01 NTU 20.0 – 999.9 NTU; 0.1 NTU	Baud Rate	9600, 19200 & 38400
Cleaning System	Automatic Wiper	Protection Class	IP65 (Controller) IP68 (Sensor)
Time Interval for Cleaning	15; 30; 60 mins	Language Selection	English
Water Temperature	0 to +40°C	Electrical Connection	90 to 260 VAC or 24 VDC Power consumption < 5W
Main Materials	SUS316L Sapphire glass Fluorocarbon rubber EPDM PVC	Data Logging	USB extraction up to 500,000 data
Cable Length	9 m	Weight	0.85 kg (Controller) 1.60 kg (Turbidimeter)
		Installation	Panel / Wall / Pipe mount

Dimensions

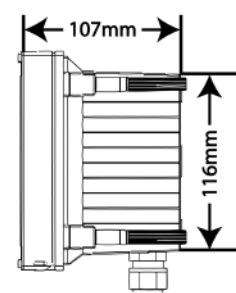
JNTU6000



FRONT VIEW

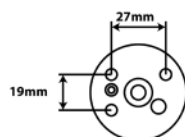


PANEL CUTOUT VIEW

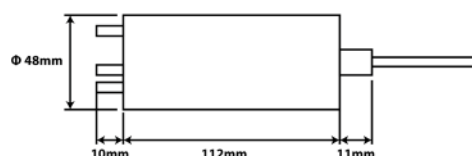


SIDE VIEW

P-J002-EE1-S09FF



CROSS-SECTIONAL VIEW



SIDE VIEW

Design outlook subjected to change without prior notice.

JNTU6000 with Medium Range Turbidimeter (0 to 1000 NTU)

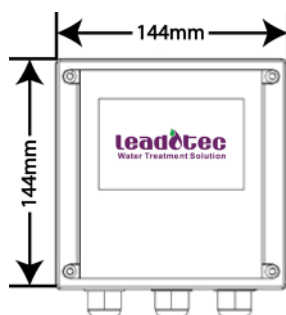
Specifications (Medium Range Suspended Solids)

Measuring Method	Nephelometric 90° scattered light
Light Source	LED
Measuring Range	0.0 - 1,000 mg/L
Display Resolution	0.1 mg/L (Range: 0.0 – 49.9 mg/L) 1 mg/L (Range: 50 – 1,000 mg/L)
Cleaning System	Automatic Wiper
Time Interval for Cleaning	15; 30; 60 mins
Water Temperature	0 to +40°C
Main Materials	SUS316L Sapphire glass Fluorocarbon rubber EPDM POM
Cable Length	9 m
Analogue Output	1 x 4-20mA electrically isolated, Max load 500Ω

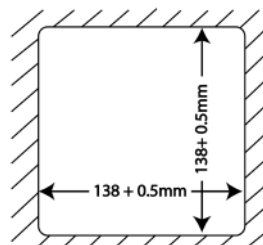
Control Outputs	2 x Relay Outputs
Max. Relay Contacts Capacity	5A/250 VAC 5A/30 VDC
Field Bus Connection	RS-485 MODBUS Communication
Baud Rate	9600, 19200 & 38400
Protection Class	IP65 (Controller) IP68 (Sensor)
Language Selection	English
Electrical Connection	90 to 260 VAC or 24 VDC Power consumption < 5W
Data Logging	USB extraction up to 500,000 data
Weight	0.85 kg (Controller) 1.60 kg (Turbidimeter)
Installation	Panel / Wall / Pipe mount

Dimensions

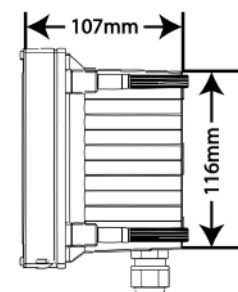
JNTU6000



FRONT VIEW

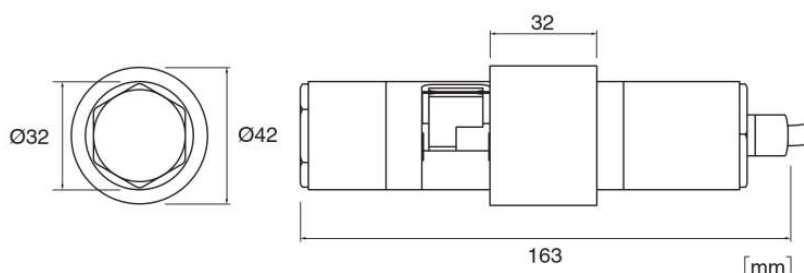


PANEL CUTOUT VIEW



SIDE VIEW

P-J004-EE1-S09FF



Design outlook subjected to change without prior notice.

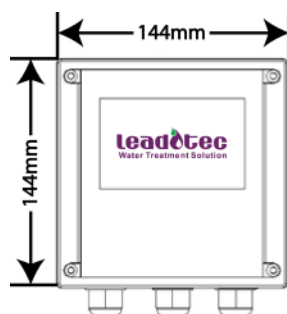
JNTU6000 with P-J004 Suspended Solids Sensor (0 to 1,000 mg/L)

Specifications (High Range Suspended Solids)

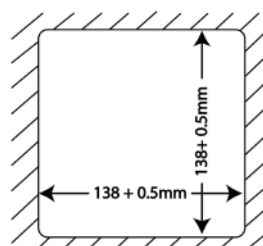
Measuring Method	Nephelometric 90° scattered light	Analogue Output	1 x 4-20mA electrically isolated, Max load 500Ω
Light Source	LED	Control Outputs	2 x Relay Outputs
Measuring Range	0 to 50,000 mg/L	Max. Relay Contacts Capacity	5A/250 VAC 5A/30 VDC
Accuracy	3% of reading or 300 mg/L, whichever is greater	Field Bus Connection	RS-485 MODBUS Communication
Display Resolution	10 mg/L	Baud Rate	9600, 19200 & 38400
Cleaning System	Automatic Wiper	Protection Class	IP65 (Controller) IP68 (Sensor)
Time Interval for Cleaning	15; 30; 60 mins	Language Selection	English
Water Temperature	0 to +40°C	Electrical Connection	90 to 260 VAC or 24 VDC Power consumption < 5W
Main Materials	SUS316L Sapphire glass Fluorocarbon rubber EPDM PVC	Data Logging	USB extraction up to 500,000 data
Cable Length	9 m	Weight	0.85 kg (Controller) 1.60 kg (Turbidimeter)
		Installation	Panel / Wall / Pipe mount

Dimensions

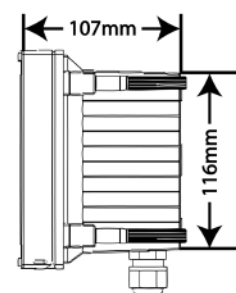
JNTU6000



FRONT VIEW

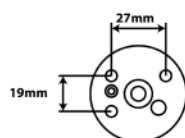


PANEL CUTOUT VIEW

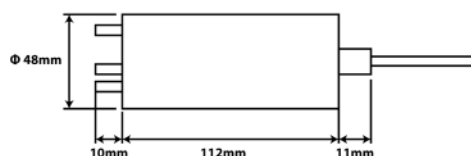


SIDE VIEW

P-J003-EE1-S09FF



CROSS-SECTIONAL VIEW



SIDE VIEW

Design outlook subjected to change without prior notice.

JNTU6000 with Suspended Solids Sensor (0 to 50,000 mg/L)

Order Code

JNTU6000 Turbidity & Suspended Solids Analyzer

Part No.	Description
JNTU6000	Turbidity & Suspended Solids IP65 Panel / Wall / Pipe mounted base analyzer fitted with 1 x 4-20mA, 2 x relay outputs, 1 x multifunctional relay, RS-485 Modbus, and 1 x USB slot for data extraction and software update. Power supply: 90~260 VAC
JNTU6000-24VDC	Turbidity & Suspended Solids IP65 Panel / Wall / Pipe mounted base analyzer fitted with 1 x 4-20mA, 2 x relay outputs, 1 x multifunctional relay, RS-485 Modbus, and 1 x USB slot for data extraction and software update. Power supply: 24 VDC

Turbidity & Suspended Solids Sensors

Part No.	Description
P-J001-EW1-S03FF	Optical Turbidimeter with integral bubble trap and 3m cable length, IP65. Principle of measurement: 90° scattered light. <ul style="list-style-type: none">Light source : LEDMeasuring range : 0.00 – 100 NTUOperating temperature : 0 – 40°C
P-J002-EE1-S09FF	Optical Turbidimeter with built-in automatic wiper cleaning system and 9m cable length, IP68. Principle of measurement: 90° scattered light. <ul style="list-style-type: none">Light source : LEDMeasuring range : 0.00 – 1000 NTUOperating temperature : 0 – 40°C
P-J003-EE1-S09FF	Optical Suspended Solids sensor with built-in automatic wiper cleaning system and 9m cable length, IP68. Principle of measurement: 90° scattered light. <ul style="list-style-type: none">Light source : LEDMeasuring range : 0 – 50,000 mg/LOperating temperature : 0 – 40°C
P-J004-EE1-S09FF	Optical Suspended Solids sensor with built-in automatic wiper cleaning system and 9m cable length, IP68. Principle of measurement: 90° scattered light. <ul style="list-style-type: none">Light source : LEDMeasuring range : 0 – 1,000 mg/L Operating temperature : 0 – 40°C

Mounting Kit

Part No.	Description
FIX-002	Mounting Kit for immersion sensors (P-J002 & P-J003 series).