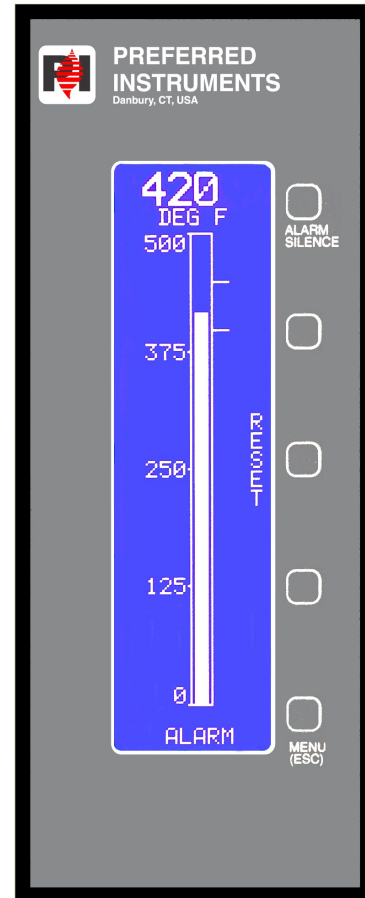


- High Visibility Bargraph and Numeric Display:
  - 4 Digit Numeric Display
  - 200 Segment Bargraph
  - Bargraph Alarm Setpoint Markings
  - High Intensity, Long Life LED Backlighting
- Field Adjustable using English-Language Menus:
  - Inputs: 4-20 mA, Thermistor, J or K Thermocouple  
Flow Meter Pulsar (No Option Boards Required)
  - 4-20 mA Input and 4-20 mA Output Scaling
  - Bargraph Scaling
  - Alarm Modes, Setpoints, Deadbands, and Time Delays
- Dual SPDT Relays:
  - Configurable: HI-HI, HI, LO, LO-LO, Manual Reset
  - 10A resistive, 8 FLA., ½ Hp 120 Vac
- NEMA 4 Front Panel
- Flexible Communications for Data Logging:
  - 4-20 mA Temperature Re-transmission
  - RS-485 Modbus Interface



JC-10D shown in “ALARM” condition  
(alarm message & reset pushbutton visible)

## Description

The **JC-10D Process Indicator** is a microprocessor-based Indicator / Alarm that can be field configured for a wide variety of applications. The instrument provides a highly visible backlit LCD display with easy to understand bargraph, scaled numeric display, and front panel Alarm messages. Bargraph Scaling, Alarm Setpoints, and Time Delays are all field selectable. Adjustment are made directly from the faceplate of the instrument by scrolling through a user friendly, English-language menu. The unit is constructed of a rugged polymer housing with gasketed NEMA 4 faceplate.

## Typical Applications

Boiler Draft  
Boiler Drum Level  
Tank Levels  
Flow Rates  
Pressures  
Temperatures

## Versatile

Field selectable input types: 2 or 4 wire 4-20 mA, 10k Thermistor, J or K Thermocouple, Potentiometer, 0-2.5 Vdc, or Pulser. Thermistors and Thermocouples are linearized and cold junction compensated. The Numeric display can be scaled to any desired display range from the front panel. The Bargraph range and scaling can be set independently from the Input scaling. The 4-20 mA re-transmission output can be scaled independently as well.

## Alarm Sequences

The (2) Alarms can be configured as HI-HI, HI, LOW, or LOW-LOW Alarms with individually adjustable deadbands and Time Delays. Alarm adjustment is done in scaled engineering units, not percentage. The (2) relay outputs can be assigned to either Alarm or as a Common Alarm Output with Alarm Silencing logic. Each relay can be configured as auto-reset or manual reset.

## Specifications

<b>Power Supply:</b>	120Vac, +/- 15%, 50/60Hz, 15 VA
<b>Ambient Temp.:</b>	+32 to 122° F
<b>Displays:</b>	High Contrast LCD Display 4" high, 0.5% Resolution Bargraph
<b>Input Types:</b>	4-20 mA, 100 ohm load Thermistor, 10 kohm 25 C, 817 ohm 100 C
<b>Accuracy:</b>	0.005% Resolution 0.07% Accuracy
<b>Sensor Power:</b>	24 Vdc @ 100 mA 15 Vdc @ 50 mA 2.5 Vdc @ 12 mA
<b>Alarm Setpoints:</b>	Two (2) adjustable with adjustable time delays High-High, High, Low, Low Low modes Manual Reset & Alarm Silence modes
<b>Relay Outputs:</b>	Two SPDT Relays 10 A resistive, 8 FLA, ½ Hp, 120 Vac
<b>Output:</b>	4-20 mA, 650 ohm load maximum
<b>Enclosure:</b>	NEMA 4 faceplate
<b>RS-485 Modbus:</b>	1200 - 38400 Baud; ASCII or RTU

## Ordering Information

1. JC-10D Instrument

