



Custom LCD Display 4 Digit Segment TN LCD Panel with HTN LCD Display and 3.0V Voltage for Sphygmomanometer

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: BBI
- Certification: ISO90001 RoHS
- Minimum Order Quantity: 1000
- Price: 0.7-7USD
- Packaging Details: CARTON
- Delivery Time: 3-47WEEKS
- Payment Terms: T/T
- Supply Ability: 100000/MONTH



Product Specification

- Display Type: HTN LCD Display
- Viewing Area: 95mm (L) * 50mm (W)
- Storage Temperature Range: -30°C To 80°C
- Display Mode: HTN Negative
- Interface: Pin
- Driver Method: 1/4 Duty, 1/3 Bias
- Viewing Angle: 6 , 12 O ' Clock
- Voltage: 3.0 V
- Highlight: 4 Digit Segment LCD Display , HTN LCD Display Panel, 3.0V Voltage TN LCD



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Product Description

Custom LCD Positive 4-Digit Segment TN Panel Display for Sphygmomanometers

This specialized TN LCD display is engineered specifically for blood pressure monitoring devices, offering precise data presentation and reliable performance in medical applications.

Product Specifications

Parameter	Specification
Type	HTN LCD Display
Backlight Color	Green
Voltage	3.0 V
Connector	Pin, Zebra
Driving Method	1/4 Duty, 1/3 Bias
Polarizer Type	Transmissive

Detailed Product Parameters

Item	Parameter	Description
1	LCD Type	HTN LCD Display
2	Outline Size	95mm (L) * 50mm (W) * 1.1mm (T)
3	VA Size	95mm (L) * 50mm (W)
4	Viewing Direction	6, 12 O'clock
5	Voltage	3.6V
6	Display Mode	Positive
7	Backlight	3pcs Green LED
8	Operation Temp	-20°C to +70°C
9	Storage Temp	-30°C to +80°C
10	Connector	Pin





Core Product Features

Display Solution Tailored for Blood Pressure Measurement

Precise 4-Digit Segment Display: Customized layout optimized for systolic and diastolic pressure display (0-299 mmHg range) with ≥ 8 mm character height for excellent readability even in strong light conditions

Stable TN Liquid Crystal Technology: Wide operating temperature range (-10 to 60), fast 10ms response time, and ultra-low μA -level power consumption for extended battery life

Comprehensive Customization Options: Adjustable dimensions (20mm*40mm to 30mm*60mm), multiple interface options (I2C, SPI), backlight color variations, and ultra-thin design (≤ 2.5 mm thickness)

Medical-Grade Quality Assurance: ISO 13485 certified with ± 1 mmHg accuracy, mercury-free materials compliant with RoHS/REACH standards, and MTBF $\geq 50,000$ hours

Core Application Scenarios

Covering All Blood Pressure Monitoring Environments

Home Portable Blood Pressure Monitors: Ideal for wrist-worn and arm-worn devices with clear display and compact design for family health management

Medical Clinical Blood Pressure Monitors: Hospital-grade accuracy and wide temperature operation for clinical settings with HIS integration capability

Smart Wearable Blood Pressure Devices: Ultra-light, thin design with low power consumption for wristband and watch-type monitors with Bluetooth/Wi-Fi connectivity

Health Management Terminals: Public medical equipment for community health centers, nursing homes, and physical examination centers with multi-user support

Frequently Asked Questions

I want the LCD display 8 digits and the outline size is 65x30x2.8mm. Is this possible?

Yes, we can customize this for you. Please provide your specifications or drawings, or send samples for evaluation.

This LCD is what we want, but it's too large. Do you have smaller sizes? We also need minor display content changes.

For segment type LCD modules requiring size or content modifications, we can create new tooling to produce custom glass modules.

This LCD display is HTN type, but I want STN type. Can you make this?

Absolutely. We can modify the display type according to your specific requirements.

I want to customize a new LCD module. Can you do this?

Yes, we specialize in custom LCD solutions. Please provide your drawings or specifications including outline size, glass thickness, polarizer type, connector mode, temperature ranges, voltage, viewing direction, and drive conditions.

What is the lead time for tooling?

Typically 15-25 days after drawing confirmation and tooling charge payment. We'll provide exact timelines upon drawing approval.

Can you send us samples for evaluation?

Yes, sample orders are available for quality verification.

What is the lead time for production?

Standard products ship within 1 day after payment. Custom mass production typically takes 15-30 days, with updates provided if completed earlier.



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