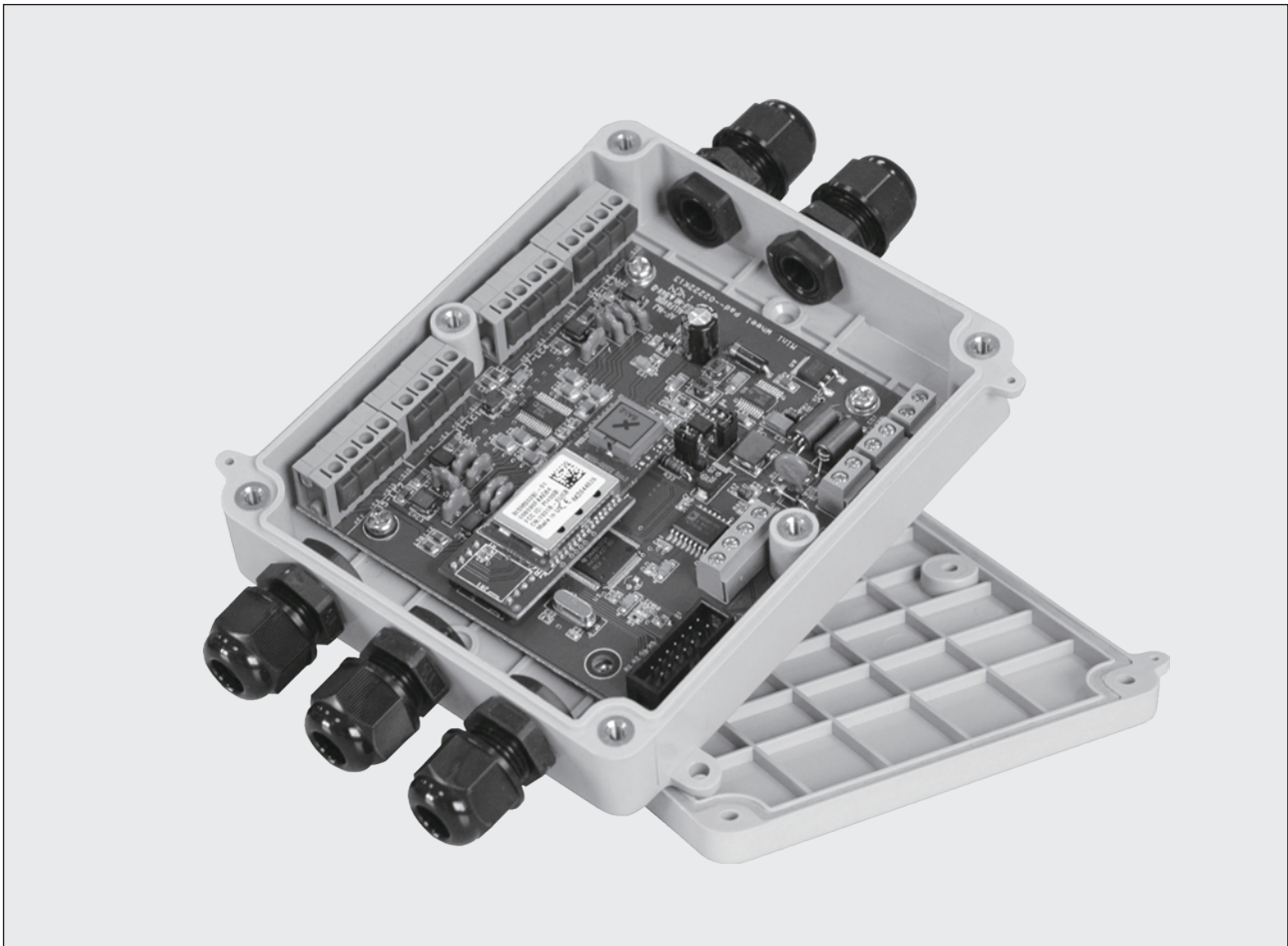


## LCT-1 Digital Junction Box



### Features 主要特点

- High speed remote monitoring of your scale system
- Conversion of analog system to digital system (minimizes effects of long, analog homerun cable)
- Real-time diagnostics of scale system (Failures can be detected immediately, guarding you against costly downtime or product waste)
- Dead load cell emulation (allows you to operate scale until service can be performed)
- System span calibration via load cell output data (save time)
- Digital corner calibration/adjustment/trimming (saves time)
- Various digital communication options supported (flexibility)
- Legal for Trade (pending)
- Ideal for mission-critical systems requiring single or multiple scales with multiple cells.
- RS-232 standard communication interface
- Options include Bluetooth, WLAN, USB and RS-485 communication, analog 4-20 mA output, and rechargeable battery
- Can be remotely powered by host
- A free Windows PC utility will be provided with the unit to allow remote configuration and calibration and diagnostics
- 实现了称重系统高速遥控。
- 模拟系统到数字系统的转换（去掉了传感器至仪表端模拟电缆）
- 实时诊断称重系统（即时检测故障，不仅能为您节省停工工期，还能减少产品浪费）
- 系统中的一个传感器故障仿真（允许您在有传感器故障的时候仍然可以继续称重）
- 免标定功能（省时）
- 数字角差校准/调整/整理（省时）
- 支持多种数字通讯选择（灵活性）
- 法定检验证书（待定）
- 产品较适合于单个或多个多个传感器的称重系统
- RS-232 标准通讯接口
- 通讯端口选项包括：蓝牙(Bluetooth), 无线(WLAN), USB 以及 RS-485 通讯, 4-20 mA模拟量输出  
电源：可充电锂电池、外接DC电源。
- 可通过主机提供电源
- 提供一个免费的WindowsPC软件，用来远程配置、校准和诊断

## Specification 技术参数

Load Cell Excitation: +3.3 VDC	传感器激励：+3.3 VDC
Load Cell Current: Drives up to four 350 Ω Load Cells	传感器电流：可驱动多达4个350 Ω的传感器
Analog Signal Input Range: +/- 3.125 mV/V max	模拟信号输入范围： +/- 3.125 mV/V max
Analog Sensitivity: 0.3 μV/grad, minimum 0.6 μV/grad, recommended minimum for Legal-for-Trade	模拟灵敏度：0.3 μV/grad, 最小0.6 μV/grad,
A/D Conversion Rate: 2 Hz to 1200 Hz (adjustable)	A/D 转换率：2 Hz to 1200 Hz (可调整)
A/D Resolution: 24 bits	A/D 分辨率：24 bits
No. of ADC channels: Four	ADC通道号：4
Remote Functions: Zero, Start/Start Stream Data, Demand Data, ADC counts, power off	远程功能：归零, 启动/启动数据流, 需求数据, ADC计数, 关机
Serial Port: Full Duplex RS-232 Format	序列接口：全双工RS-232格式
Power Requirements: 4-14 VDC, 0.5 A	电源要求：4-14 VDC, 0.5 A
Dimensions: 7.2" x 5.3" x 1.3" (184 mm x 134 mm x 32 mm)	尺寸：7.2" x 5.3" x 1.3" (184 mm x 134 mm x 32 mm)
Operating Temperature: -40°F to 104°F (-40°C to 40°C)	工作温度：-40°F to 104°F (-40°C to 40°C)
Optional Bluetooth Specifications:	可选蓝牙参数：
- Version 2.0, Class I	- Version 2.0, Class I
- Up to 100m unobstructed	- 最远无障碍100m
- (ISM) band at 2.4 to 2.485 GHz	- (ISM) band at 2.4 to 2.485 GHz
NIST Classification: H-44 Class III at 10,000 Divisions, C.O.C. #pending	NIST 认证：H-44 Class III at 10,000 Divisions, C.O.C. #待定
Warranty: 1 year	保修期：1年

## Function 功能模式

- Measure and transmit usable, filtered weight data to a compatible host device
- Measure and transmit ADC counts only to a suitable digital weight indicator, e.g. TI-500 RF
- Remote Configuration/calibration mode
- 直接输出重量，不需要仪表，可以接大屏幕显示器、电脑、客户机等终端显示设备
- 接一个数字仪表，如TI-500RF仪表
- 远程配置/校准模式