

# Junction Boxes/Simulators

**NEW** iQUBE<sup>2</sup>

Digital Diagnostic Junction Box



APPROVALS - Pending



## STANDARD FEATURES

- Enclosure includes four channel boards with or without power supply
- NEMA 4X polyester or stainless steel enclosure
- Up to 16 load cells can be used connected
- Connection can be up to four separate platforms with a system total, or four separate scales systems
- Diagnostic routines for weighing errors and system health. Tests for zero return, linearity, and drift
- Onboard status LED's for communications and visual bi-color indication of cell health
- Cell Emulator compensates for load cell failure until a repair can be made
- Cal-Match™ algorithm automatically trims and calibrates the scale in one pass of test weights (stopping over each mount)
- Standard communication RS-232. Option card slot for Fiber Optic, Ethernet TCP/ IP or Wireless TPC/IP, or RS-485
- Four digital I/O per card, for push button operation, control, or remote cell status

## SPECIFICATIONS

### iQUBE<sup>2</sup>

#### ENCLOSURE:

NEMA 4X polyester 11.3 x 9.3 x 5.4  
 NEMA 4X polyester 13.3 x 11.3 x 5.6  
 NEMA 4X stainless steel 12 x10 x 6

#### VOLTAGE INPUT:

115/230 VAC to power supply  
 7.5 -12 VDC to CPU  
 DC/DC converter (not UL approved)

#### LOAD CELL INPUTS:

4 channels per board  
 Up to 4 networked boards

#### A/D SAMPLING RATE:

Up to 100 per second

#### TEMPERATURE RANGE:

14°F to 104°F (-10°C to 40°C)

#### ANALOG SIGNAL SENSITIVITY:

0.3 uV/grad, 1.0 recommended

#### LOAD CELL EXCITATION:

5VDC, 57 mA maximum per channel

#### ANALOG RANGE:

-4.5 mV/V to +4.5 mV/V

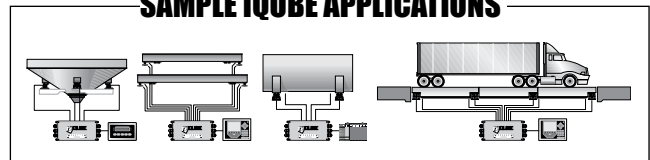
#### APPROVALS:

NTEP, OIML, UL - listed,  
 Measurement Canada, CE

#### WARRANTY:

Two-year limited warranty

## SAMPLE IQUBE APPLICATIONS



## SAMPLE CONFIGURATIONS\*



Fiber Optic Transceiver  
 RS-232/RS-485  
 Ethernet TCP/IP  
 Ethernet TCP/IP wireless



\* Not an actual system—illustrates connectivity