

# 420 PLUS

HMI DIGITAL WEIGHT INDICATOR



**RICE LAKE**<sup>TM</sup>  
WEIGHING SYSTEMS

Commitment Beyond Measurement®

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# 420 PLUS HMI DIGITAL WEIGHT INDICATOR



## The 420 Plus...Performance, Plus Durability, Plus a Full Numeric Keypad

From tare entry to counting to setpoint outputs, the 420 Plus is the ideal choice for any industrial weighing application. A full numeric keypad allows tare entry directly from the keypad for weighing the contents of totes, cylinders and containers, eliminating the need to scroll and toggle tare weight values. A count mode allows keyed piece count and APW (average piece weight). Two front panel accessible, free-running setpoints activate lights or buzzers.

Optional DC capability makes it the ideal instrument for on-board weighing. Time and date are easily set from the front panel to display and print on a transaction ticket.

The 420 Plus is encased in a tough, all stainless steel NEMA 4X/IP66 enclosure for extra-long life, even in the harshest conditions. The ultra-bright, oversized display reduces operator error and accelerates productivity.

Fully interactive, the 420 Plus features two independent communication ports for complete EDP and print ticket programmability. It easily programs two formats with up to 300 characters, allowing you to create complex custom tickets.

The 420 Plus drives up to (8) 350Ω load cells, making it the perfect choice for multi-cell applications. Additionally, it features three-stage RATTLETRAP® digital filtering for eliminating most vibration interference and providing stable, accurate weight data regardless of environment.



The 420 Plus provides two print formats that can be customized to include up to 300 characters on printed tickets.

### Standard Features

- Large .8" (20.3mm) Light Emitting Diode (LED) display
- Primary/secondary units configuration: lb, kg, oz, g, short tons, metric tons or none
- Stainless steel washdown enclosure
- Five-button operation with full numeric keypad
- Two independent communication ports
- 2 x 300-character programmable print formats
- Power for (8) 350Ω load cells or (16) 700Ω load cells
- RATTLETRAP® three-stage digital filtering
- Piece count mode
- Consecutive numbering
- Two digital inputs and two digital outputs
- Time and date

### Options

- Analog output: selectable 0-10V, 4-20 mA, 0-20 mA
- DC operation 9-36VDC
- Panel mount kit

### Specifications

<b>Display:</b>	0.8" (20.3mm) LED 6-digit
<b>Annunciators:</b>	Gross, net, zero, motion, lb, kg, count, tare
<b>Power:</b>	115VAC, or 230VAC, 50-60Hz, 9-36VDC (optional)
<b>Load Cells:</b>	(8) x 350Ω, (16) x 700Ω
<b>Internal Resolution:</b>	8,000,000 internal counts
<b>External Resolution:</b>	100,000 display divisions
<b>System Linearity:</b>	Within 0.01% of full scale
<b>Measurement Rate:</b>	Configurable up to 60 updates/second
<b>Filtering:</b>	RATTLETRAP® three-stage digital filtering
<b>Serial Ports:</b>	Two independent outputs, (2) full duplex RS-232; (1) simplex or 20 mA
<b>Consecutive Number:</b>	1 to 999,999
<b>Radiated Immunity:</b>	3 volts/meter EN 61000-4-3
<b>ESD Immunity:</b>	IEC 801-2:91 EN 61000-4-2 per EN 45501
<b>Digital Inputs:</b>	Two configurable digital inputs
<b>Digital Outputs:</b>	Two configurable digital outputs
<b>Enclosure:</b>	NEMA 4X/IP66
<b>Enclosure Size:</b>	9.5" x 6" x 2.75" (241.3mm x 152.4mm x 69.9mm)
<b>Temperature Range:</b>	Legal-for-trade: 14°F to 104°F (-10°C to +40°C)
<b>Warranty:</b>	2-year limited warranty

### Approvals



CC #04-076A1  
n<sub>max</sub> = 10,000  
Class III/III.L

Measurement  
Canada  
Approved

AM-5554  
n<sub>max</sub> = 10,000  
Class III/III.L



TC 7004

Your Rice Lake Weighing Systems distributor is:



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Specifications subject to change without notice