

420 Plus HMI Digital Weight Indicator

Super Bright
LED Display!



Approvals



Standard Features

- Large .8" (20.3 mm) Light Emitting Diode (LED) Display
- Full numeric keypad
- NEMA 4X/IP66 stainless steel washdown enclosure
- Power for eight 350Ω load cells or 16, 700Ω load cells
- Configurable analog to digital measurement rate
- Primary/secondary units configuration: lb, kg, ounces, short tons, metric tons, grams or none
- Two independent communication ports: (2) full duplex, (1) unidirectional active 20 mA current loop
- Standardized EDP command sets
- Programmable ticket formats up to three 300-character printouts
- Full front-panel digital calibration and configuration
- Universal mounting stand
- Three-stage digital filtering
- Consecutive transaction numbering
- Two digital inputs, two digital outputs
- Time and date
- Count mode
- Two setpoints

Specifications

POWER - AC:

Line voltages:
115/230 VAC
Frequency:
50 or 60 Hz
Power consumption:
1.5 A @ 115 VAC (8W)
.75 A @ 230 VAC (8W)

POWER - DC:

Line voltages:
9-36 VDC DC input
Power consumption:
1.5 A Max

EXCITATION VOLTAGE:

+5V DC
8 x 350Ω or 16 x 700Ω load cells

ANALOG SIGNAL INPUT RANGE:

-0.5 mV/V - 4.5 mV/V

ANALOG SIGNAL SENSITIVITY:

0.3 μV/graduation minimum,
1.5 μV/grad recommended

RESOLUTION:

Internal resolution:
8 million internal graduations
Display resolution:
100,000 displayed graduations

MEASUREMENT RATE:

60, 30, 15, 7 1/2, per second

SYSTEM LINEARITY:

Within 0.01% of full scale

DIGITAL INPUTS:

2 inputs with 8 functions
2 outputs, 250 mA max sink

CIRCUIT PROTECTION:

RFI, EMI, ESD protection

SERIAL OUTPUT:

EDP port:
Full duplex RS-232

Printer port:

Full duplex RS-232 or simplex active
20 mA current loop

Both ports:

38400, 19200, 9600, 4800, 2400,
1200, 600, 300 bps; 7 or 8 data bits;
even, odd, or no parity

DISPLAY:

0.8" (20 mm), 6-digit Super Red
Light Emitting Diode (LED) display,
7-segment, digits

STATUS ANNUNCIATORS:

Designators for: center of zero, stand
still, gross, net, lb, kg, count, tare

KEYBOARD:

21-key flat membrane panel

OPERATING TEMPERATURE:

Legal: 14°F to 104°F
(-10°C to 40°C)
Industrial: 14°F to 122°F
(-10°C to 50°C)

WEIGHT:

6.1 lb (2.8 kg)

RATING/MATERIAL:

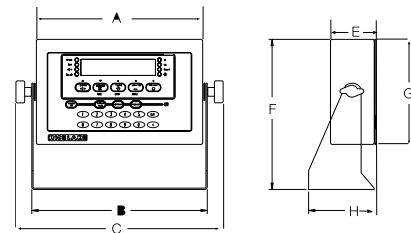
Enclosure: NEMA 4X/IP66, heavy
gauge stainless steel

APPROVALS:

NTEP-certified per H-44 at 10,000
Divisions, Class III/IIIL,
CC# 04-076:
Measurement Canada, AM-5554
Class III/IIIIHD at 10,000 Divisions
OIML approval at 10,000 divisions,
TC7004
UL & CUL listed
CE marked

WARRANTY:

Two-year limited warranty



DIMENSIONS

A = 9.50" (24 mm)	E = 3.12" (79 mm)
B = 10.02" (254 mm)	F = 8.57" (217 mm)
C = 11.80" (299 mm)	G = 6.00" (152 mm)
H = 3.25" (82 mm)	

420 Plus

PART #	DESCRIPTION	EST. SHIP WEIGHT	PRICE
85124	420, 115 VAC [†]	10 lb	\$650.00
85125	420, 230 VAC [†]	10 lb	650.00
85126	420, 230 VAC ^{††}	10 lb	650.00
85656	420, 9-36 VDC	10 lb	750.00
Options/Accessories			
85659	Analog output: selectable 0-10V, 4-20mA		300.00
52948	Panel mount kit**		79.00
77925	Revolution™ III scale software*		35.00
85127	Additional operating manual		21.00
92777	Filter, PreVent™ vent kit		25.00
Primary Component Parts			
85123	Board assembly		470.00
84397	Overlay membrane panel		58.00
76556	Power supply, auto switching		47.00
85554	DC/DC converter, 9-36 VDC		125.00
85791	Fuse, 2.5A, 5 x 20 mm		3.15

* Revolution III can be downloaded for FREE at www.ricelake.com
 ** Panel mount kit is not NEMA rated, consult factory for modifications.



^{††} CEE 7/7 plug



[†] NEMA 5-15 plug