

420 Plus HMI Digital Weight Indicator



STANDARD FEATURES

- Large .8 in (20.3 mm) Light Emitting Diode (LED) Display
- Full numeric keypad
- NEMA 4X/IP66 stainless steel washdown enclosure
- Power for eight 350 Ω load cells or 16, 700 Ω 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
- Keyed tare
- Accumulator

APPROVALS



Measurement
Canada
Approved



SPECIFICATIONS

Power - AC:

Line voltages: 115/230VAC
Frequency: 50 or 60 Hz
Power consumption: 1.5A @ 115VAC (8W)
0.75A @ 230VAC (8W)

Power - DC:

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

Excitation Voltage:

+5VDC 8 x 350 Ω or 16 x 700 Ω 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 in (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:

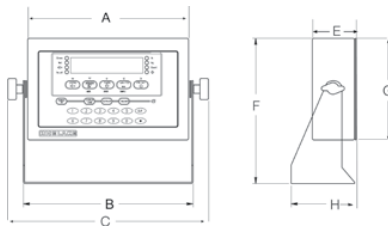
Enclosure: NEMA 4X/IP66, heavy gauge stainless steel

Warranty:

Two-year limited warranty

Approvals:

NTEP CC 04-076, Class III/IIIL 10,000d
Measurement Canada AM-5554, Class III/IIILD 10,000d
OIML TC7004, 10,000d,
UL & CUL listed
CE marked



DIMENSIONS

A	9.50 in (24 mm)	F	8.57 in (217 mm)
B	10.02 in (254 mm)	G	6.00 in (152 mm)
C	11.80 in (299 mm)	H	3.25 in (82 mm)
E	3.12 in (79 mm)		3.0 in (76.2 mm)

420 Plus HMI Digital Weight Indicator**PART NUMBER/PRICE**

PART #	DESCRIPTION	WEIGHT	PRICE
85124	420, 115VAC†	10 lb	Consult
85125	420, 230VAC†	10 lb	Consult
85126	420, 230VAC†† CE marked/OIML approved	10 lb	Consult
85656	420, 9-36VDC nominal	10 lb	Consult
88652	420 Plus, 115VAC w/quick connect	10 lb	Consult
88653	420 Plus, 230VAC w/quick connect	10 lb	Consult

OPTIONS/ACCESSORIES

PART #	DESCRIPTION	PRICE
85659	Analog output: selectable 0-10V, 4-20 mA	Consult
52948	Panel mount kit**	Consult
77925	Revolution® scale software*	Consult
85127	Additional operating manual	Consult
92777	Filter, PreVent™ vent kit	Consult
91895	Quick Connect, female connector and cable, 17 in	Consult
53640	Quick Connect, male connector and cable, 20 ft	Consult
Primary Component Parts		
88835	Board assembly	Consult
84397	Overlay membrane panel	Consult
76556	Power supply, auto switching	Consult
97475	DC/DC converter, 9-36VDC	Consult
85791	Fuse, 2.5A, 5 x 20 mm	Consult

* Revolution® 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