

420 Plus

HMI Digital Weight Indicator



STANDARD FEATURES

- Large .8in (20.3mm) 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 20mA current loop
- Standardized EDP command sets
- Programmable ticket formats up to the 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



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 350Ω or 16 x 700Ω load cells

ANALOG SIGNAL INPUT RANGE:

-0.5mV/V - 4.5mV/V

ANALOG SIGNAL SENSITIVITY:

0.3μV/graduation minimum,
 1.5μV/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, 250mA 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 20mA current loop
 Both ports: 38400, 19200, 9600, 4800, 2400, 1200, 600, 300 bps; 7 or 8 data bits; even, odd, or no parity

DISPLAY:

0.8in (20mm), 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:

6.1lb (2.8kg)

RATING/MATERIAL:

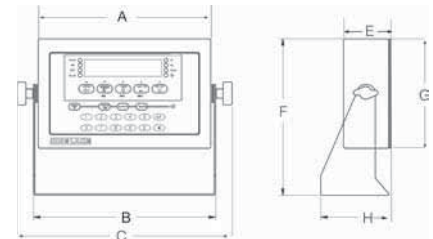
Enclosure: NEMA 4X/IP66, heavy gauge stainless steel

APPROVALS:

NTEP Certified per H-44 at 10,000 Divisions, Class III/III.L, CC# 04-076A5
 Measurement Canada, AM-5554, Class III/III.HD 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 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)