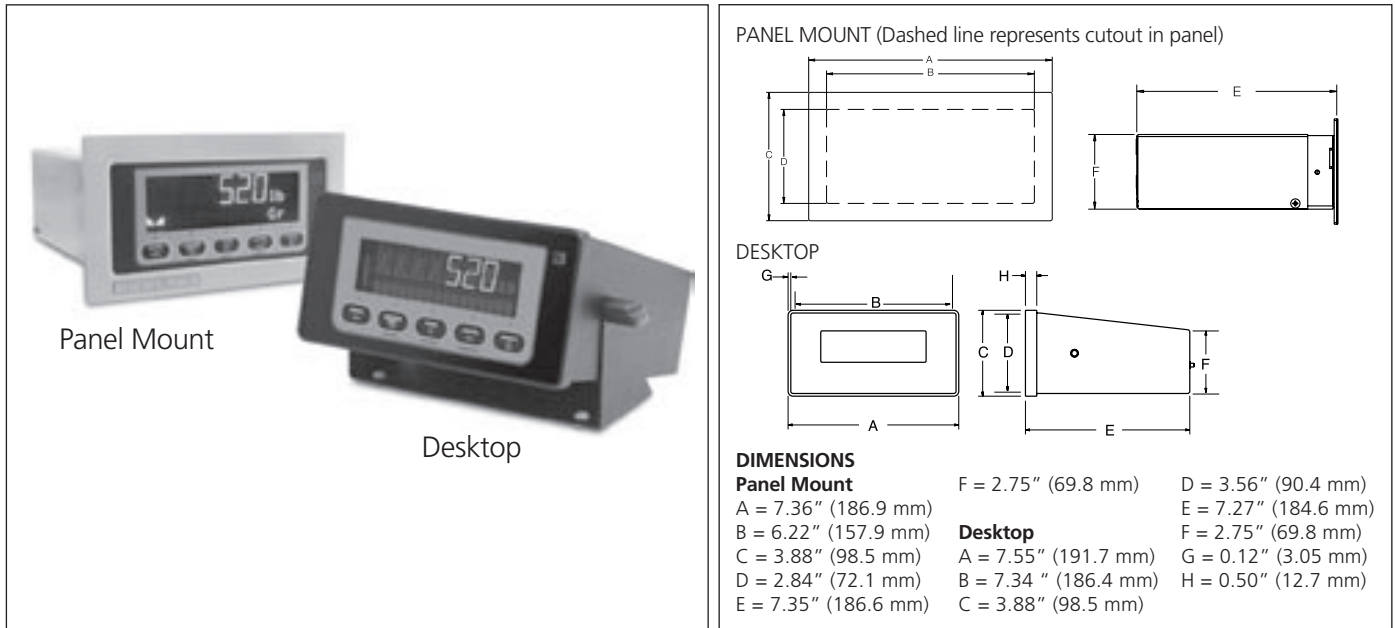


# 520 Digital Weight Indicator



## FEATURES

- 0.75" (19 mm), seven-digit Vacuum Fluorescent Display (VFD)
- 16-character 0.25" (6.3mm) VFD prompting display
- Eight configurable operator prompts
- Three digital inputs and four digital outputs
- Selectable A/D measurement rates up to 120/second
- Two communication ports: EDP port: full duplex, RS-232 and RS-485. Printer port: full duplex, RS-232 or 20 MA current loop
- Five programmable ticket formats for Gross, Net, Setpoints, Count, and EDP format
- 8 setpoint kinds
- Programmable stream print format
- Time and date
- Pushbutton or scrolled tare entry
- Over/accept/under checkweigh mode
- Front panel or serial configuration/calibration
- 5-point linearization calibration
- Millivolt calibration
- Gravitational compensation calibration
- Power for eight 350Ω load cells or sixteen 700Ω load cells\*\*
- Expansion port for option card
- Key functions: zero, gross/net, tare, units, print
- Desktop model with panel mount kit can be mounted in existing UMC2000 cutouts

## APPROVALS

NTEP – at 10,000 Divisions, Class III/III, CC# 01-087;  
 Measurement Canada approved, AM-5425; CE marked;  
 OIML; (GB-1160). Desktop listed. Panel mount RU  
 recognised.



## SPECIFICATIONS

<b>Power</b>	Line voltages: 115 or 230 VAC. Power consumption: 200 mA @ 115 VAC 160 mA @ 230 VAC. Frequency: 50 or 60 Hz
<b>Excitation Voltage</b>	10± 0.5 VDC, 8 x 350Ω or 16 x 700Ω load cells
<b>Analog Signal Input Range</b>	0.3 mV/V – 4 mV/V
<b>Analog Signal Sensitivity</b>	0.3 μV/graduation @ 7.5 Hz. 1.5 μV/graduation recommended @ 120 Hz
<b>A/D Sample Rate</b>	7.5 – 120 Hz, software selectable
<b>Resolution</b>	Internal resolution: Approximately 8,000,000 counts @ 23 usable bits. Display resolution: 100,000 dd
<b>System Linearity</b>	0.01% of full scale
<b>Digital I/O</b>	Digital inputs: 3 inputs, TTL or switch closure, active-low. Digital outputs: 4 outputs, current limited darlington pair with TTL pull-up, 40V withstand
<b>Circuit Protection</b>	RFI, EMI, ESD protection
<b>Serial Output</b>	EDP port: Full duplex RS-232 or RS-485. Printer port: Full duplex RS-232 or active 20mA current loop output, 2 wire. Both ports: 300, 600, 1200, 2400, 4800, 9600, 19,200 bps; 7 data bits with even or odd parity; 8 data bits with no parity; two stop bits on transmit, one stop bit on receive.
<b>Display</b>	Vacuum Fluorescent Display (VFD), 7-digit, 14-segment primary weight display. Two 5 x 7 dot matrix digits for units, alphanumeric entry mode designations. 16-character dot matrix display for additional symbols, user prompts.
<b>Keyboard</b>	5-key membrane panel, tactile feel
<b>Operating Temperature</b>	Legal: 14°F to 104°F (-10°C to +40°C). Industrial: 14°F to 122°F (-10°C to +50°C).
<b>Weight</b>	6 lb (2.7 kg)
<b>Rating/Material</b>	NEMA 4X/IP66 exterior panel surface, stainless steel (panel mount only) Non-NEMA, painted steel (desktop)
<b>Warranty</b>	2-year limited warranty

## Atrax Group NZ Limited.

390A Church Street, Penrose, Auckland, New Zealand. Telephone 64 9 634 5337,  
 Facsimile: 64 9 634 5339, E-mail: atrax@atraxgroup.com Internet: www.atraxgroup.com

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