



## STANDARD FEATURES

- Large (4.6in W x 3.4in H, 320 x 240 pixel) back-lit LCD graphical display
- Selectable character sizes from .25in to 1.2in
- 60 configurable operator prompts
- Display up to four scale channels per screen with required legal-for-trade information
- 32 scale accumulators
- Five soft keys with 10 user-defined, 14 preset functions per screen
- Ten programmable display screens
- Millivolt calibration, 5-point linearization and geographical calibration
- NEMA 4X/IP66 stainless steel enclosure
- Selectable A/D measurement rate up to 960/second
- 100 setpoints, 30 configurable setpoint types
- Two slots for option cards
- 1,000-ID truck register for in/out weighing
- 64K user on-board NV RAM
- User programmable 128K flash memory
- Reflash memory to upgrade firmware
- Power for 16, 350Ω load cells per A/D board
- Local-remote indicators
- Multi range/interval
- Alibi storage
- Audit trail tracking
- Peak hold
- Rate of change

## APPROVALS



Measurement  
Canada  
Approved



## SPECIFICATIONS

### POWER:

Line voltages: 115 or 230 VAC  
Frequency: 50 or 60 Hz  
Power consumption: 340mA, maximum @ 115VAC (26W) 240mA @ 230VAC (26W)

### EXCITATION VOLTAGE:

10 ± VDC, 16 x 350Ω or 32 x 700Ω load cells per A/D card

### ANALOG SIGNAL INPUT RANGE:

-10mV to +45mV

### ANALOG SIGNAL SENSITIVITY:

0.3μV/graduation minimum @ 7.5Hz  
1.0μV/graduation typical @ 120Hz  
4.0μV/graduation typical @ 960Hz

### A/D SAMPLE RATE:

7.5 to 960Hz, software selectable

### RESOLUTION:

Internal resolution: 8 million counts  
Weight display resolution: 9,999,999

### SYSTEM LINEARITY:

± 0.01% full scale

### DIGITAL I/O:

Four I/O channels on CPU board; optional 24-channel I/O expansion boards available

### CIRCUIT PROTECTION:

RFI, EMI, ESD protection

### SERIAL PORTS:

Four ports on CPU board support up to 115,200 bps; optional dual-channel serial expansion boards available  
Port 1: Full duplex RS-232  
Port 2: RS-232 with CTS/RTS; PS/2 keyboard interface via DB-9 connector  
Port 3: Full duplex RS-232, 20mA output  
Port 4: Full duplex RS-232, 2-wire RS-485, 20mA output

### DISPLAY (W X H):

4.6in x 3.4in (116 W x 86mm H), 320 x 240 pixel  
VGA Liquid Crystal Display (LCD) module with adjustable contrast

### KEYBOARD:

27-key membrane panel, tactile feel, PS/2 port for external keyboard connection

### OPERATING TEMPERATURE:

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

### DIMENSIONS (W X H X D):

Universal: 10.5in x 11.2in x 4.5in (266mm x 217mm x 114mm)  
Wall Mount: 14.3in x 18.0in x 6.75in (355mm x 457mm x 171mm)  
Panel Mount: 11.6in x 9.2in x 5.2in (294mm x 231mm x 127mm)  
Deep Universal: 10.75in x 10.75in x 5.4in (273mm x 273mm x 137mm)

### WEIGHT:

Universal enclosure: 9.5lb (4.3kg)  
Wall Mount enclosure: 23.0lb (10.4kg)  
Panel Mount enclosure: 8.5lb (3.9kg)  
Deep Universal: 11lb (5.0kg)

### RATING/MATERIAL:

NEMA 4X/IP66, stainless steel

### APPROVALS:

NTEP - at 10,000 Divisions, Class III/IIIL, CC# 01-088A5  
Measurement Canada at 10,000 Divisions, Class III/III HD AM-5426  
OIML approved 6,000/10,000, UK 2658  
CE marked  
UL & C-UL listed (Universal, Deep and Wall Mount Enclosure)  
Custom Wall Mount approved for 508A (Optional)  
Panel Mount UL recognized

### WARRANTY:

Two-year limited warranty

<b>T #</b>	<b>DESCRIPTION</b>	<b>EST. SHIP WEIGHT</b>
<b>Single Channel - 115VAC†</b>		
67527	920i Universal	10 lb
82455	920i Deep Universal	12 lb
69763	920i Wall Mount, stainless steel	2 lb
69764	920i Panel Mount, stainless steel bezel	9 lb
106264	920i Panel Mount, Replace IQ + 810 Panel Mount	12 lb
<b>Single Channel - 230VAC†</b>		
67615	920i Universal	10 lb
82457	920i Deep Universal	12 lb
69765	920i Wall Mount	23 lb
69766	920i Panel Mount	9 lb
<b>Single Channel - 230VAC with Euro plug ††</b>		
69522	920i Universal	10 lb
82459	920i Deep Universal	12 lb
72133	920i Wall Mount	23 lb
72137	920i Panel Mount	9 lb
<b>Single Channel - 9-36VDC</b>		
107713	920i Universal	10 lb
107714	920i Deep Universal	12 lb
107715	920i Wall Mount	23 lb
107716	920i Panel Mount	9 lb
<b>Dual Channel - 115VAC†</b>		
69767	920i Universal	10 lb
82456	920i Deep Universal	12 lb
69770	920i Wall Mount	23 lb
69771	920i Panel Mount	9 lb
106265	920i Panel Mount, Replaces IQ + 810 Panel Mount	12 lb
<b>Dual Channel - 230VAC†</b>		
69772	920i Universal	10 lb
82458	920i Deep Universal	12 lb
69776	920i Wall Mount	23 lb
69777	920i Panel Mount	9 lb
<b>Dual Channel - 230VAC with Euro plug††</b>		
69774	920i Universal	10 lb
82460	920i Deep Universal	12 lb
72134	920i Wall Mount	23 lb
72138	920i Panel Mount	9 lb
<b>No A-D Channel - 115VAC†</b>		
77790	920i Universal, without A/D channel	10 lb
93243	920i Deep Universal, without A/D channel	12 lb
77794	920i Wall Mount, without A-D channel	23 lb
77792	920i Panel Mount, without A-C channel	9 lb
<b>No A-D Channel - 230VAC††</b>		
77791	920i Universal, without A/D channel	10 lb
93244	920i Deep Universal, without A-D channel	12 lb
77795	920i Wall Mount, without A-D channel	23 lb
77793	920i Panel Mount, without A-D channel	9 lb

## **OPTIONS/ACCESSORIES**

### **Option Cards**

68532	A/D, single channel	
68533	A/D, dual channel	
67600	Memory, 1 MB NV RAM	
67601	Digital I/O, 24-channel TTL output	
67602	Analog output: selectable 0-10V, 0-20mA	
103138	Analog output, dual channel 0-10V, 0-20mA	
67603	Pulse input, single channel	
67604	Serial, dual channel	
87697	Analog input +/-10VDC, 0-20mA and thermocouple	



**PART # DESCRIPTION**

**Network Cards**

65383 ..... Ethernet Thin Server (external) .....  
71986..... Ethernet TCP/IP 10/100 Base-T module (internal).....  
98057 ..... Ethernet TCP/IP, wireless .....  
68539 ..... Allen-Bradley Remote I/O interface .....  
68540 ..... Profibus® DP interface .....  
68541 ..... DeviceNet™ interface.....  
87803..... Ethernet IP for A-B PLC (internal) .....  
103136..... ControlNet interface .....

**Expansion Cards**

69782\*\*\* ..... Two-slot expansion board (wall mount) .....  
71743\*\* ..... Two-slot expansion board (panel mount & deep universal) .....  
69783\*\*\* ..... Six-slot expansion board (wall mount).....

**Hardware**

96925..... Scanner, MS-3204, RS232 .....  
102526..... DC/DC convertor kit, 9-36VDC, nominal 25 watt\* (factory installed option).....  
81217..... Sun shield.....  
83569..... Clear protective overlay (package of five).....  
70056..... Cable, DB9M to DB9F, Straight Cable.....  
93359..... PS/2 Keyboard .....  
77788..... Fiber optic board, installed in 920i.....  
87608..... Reinforcing plate for panel mount.....  
92777..... Filter, PreVent™ vent kit PG 7 cord grip.....  
19368..... Start/stop controls .....  
100759..... Sunlight viewable display, transfective installed option, replaces transmission display .....

\*DC/DC convertor installed option, requires serial tag change, not UL approved

**Manuals and Software**

69781..... iRev™ Scale Software.....  
72809..... 920i interchange® database software.....  
67887..... Additional installation manual .....

**Manuals**

102653..... Germany.....  
105794..... French .....  
106585..... Spanish .....  
105793..... Italian .....  
67888..... Additional programming reference.....

**I/O Relay Modules Sold Separately**

52332 ..... 2-channel input relay, 2.5-28VDC .....  
52318 ..... 2-channel input relay, 120VAC.....  
52319 ..... 2-channel input relay, 240VAC.....  
52316 ..... 2-channel output relay, 120-140VAC @ 2 amp .....  
52317 ..... 2-channel output relay, 240-280VAC @ 7 amp .....  
84698..... 2-channel output relay “inductive load”, 120-140VAC @ 2 amp.....  
84699..... 2-channel output relay “inductive load”, 240-280VAC @ 7 amp.....  
52312\* ..... 8-channel relay rack, relays sold separately.....  
52314\* ..... 16-channel relay rack, relays sold separately.....  
52315\* ..... 24-channel relay rack, relays sold separately.....  
70780..... Cable, 50-pin flat ribbon for digital I/O (for use with wall mount enclosure only) .....  
70779..... Cable, 50-pin round ribbon for digital I/O with cord grip for universal enclosure.....  
72442..... Cable, 50-pin round ribbon for digital I/O without cord grip for panel mount enclosure.....  
N/A..... I/O relay rack, external cased

**Primary Component Parts**

70912..... CPU board assembly.....  
67614..... Display board assembly Transmission Blue .....  
100759..... Display board assembly, Transfective Gray, sunlight viewable .....  
67613..... Power supply assembly, 25 watt.....  
71333..... Power supply, 65 watt .....  
97474..... DC/DC converter 9-36 nominal, 25 watt .....  
66502..... Switch panel membrane .....  
72339..... 3.15A TR5 subminiature fuses, 230VAC .....  
71462..... 3.15A TR5 subminiature fuses, 115VAC