

720i™ Series

Programmable Weight Indicator/Controller



Standard Features

- LCD display size: panel mount (3.8 in x 1.2 in), universal (5.3 in x 1.5 in)
- Four softkeys
- Truck in/out, 1,000-ID memory
- Process control engine ProAction PCE define conditions and actions
- Data storage onboard, ProAction DBE user-defined
- Eight digital I/O (expandable)
- One option slot for pluggable options
- 20 auxiliary print formats
- Time & date
- Audit trail tracking and alibi storage
- Peak hold
- Rate of change
- Accumulator
- Multi-range/interval
- Local/remote
- Two full duplex serial ports
- One PS-2 keyboard port
- Header for fiber optic, Ethernet or USB
- Configurable with Revolution® software

Optional Communication:

- Ethernet TCP/IP
- RS-485 4 wire
- Fiber optic
- USB
- Wi-Fi
- Network Protocols

Approvals



Measurement
Canada
Approved



Panel Mount



CPU Enclosure

Specifications

Power:

Line voltages: 100–240VAC
Frequency: 50-60 Hz
DC voltages: 12–24VDC
Power consumption: 25W

Excitation Voltage:

10VDC, 8 x 350Ω or 16 x 700Ω load cells

Analog Signal Input Range:

-10 mV to +45 mV

Analog Signal Sensitivity:

0.3 μV/graduation minimum at 7.5 Hz
1.0 μV/graduation typical at 120 Hz (manual only)
4.0 μV/graduation typical at 960 Hz (manual only)
1.0 μV/graduation recommended

A/D Sample Rate:

7.5 to 960 Hz, software selectable

Resolution:

Internal: 8 million counts/8,000,000 23 bit
Display: 9,999,999

System Linearity / PI Rating:

±0.01% full scale

Digital I/O:

Eight channels on CPU board; optional 24-channel I/O

Communication Ports:

Two ports on CPU board support up to 115,200 bps
Port 2: Full duplex RS-232 with handshaking
Port 4: Full duplex RS-232, simplex 20mA
Keyboard port hard wired (Scan Code 1)
Optional dual-channel serial expansion boards available
Channel A: RS-232, RS-485, 20 mA
Channel B: RS-232, 20 mA

Display:

Panel Mount: 3.8 in x 1.2 in (96 mm x 30 mm)
Universal: 5.3 in x 1.5 in (133 mm x 39 mm)
240 x 64 pixel, Transflective LCD with adjustable contrast

Keys/Buttons:

Ten-key (panel mount) membrane panel
22-key (universal mount) membrane panel tactile feel
Optional keyboard connection supported

Temperature Range

Certified: 14°F to 104°F (-10°C to 40°C)
Operating: 14°F to 122°F (-10°C to 50°C)

Weight:

Universal enclosure: 9.5 lb (4.3 kg)
Panel Mount enclosure: 8.5 lb (3.9 kg)

Rating/Material:

NEMA Type 4X/IP66, stainless steel

Warranty:

Two-year limited warranty

EMC Immunity:

EN 50082 Part 2 IEC EN 61000-4-2, 3, 4, 5, 6, 8, and 11

Approvals:

NTEP CC 08-022, Class III/III 10,000d
Measurement Canada AM-5677C Class III/IIIHD 10,000d
OIML R76/1992-GB1-10.09 Class III 10,000d
EU Test Certificate GB-1380 Class III 10,000d
CE Marked
UL/cUL Listed (universal)
UL/cUL Recognized (panel mount)

720i™ Series

Programmable Weight Indicator/Controller

Part Number/Price

| Part # | Description | Est. Weight | Price |
|-----------------------|---------------------------------------|-------------|------------|
| PCE Software | | | |
| 101230† | 720i Universal, 115 VAC | 12 lb | \$1,275.00 |
| 103459†† | 720i Universal, 115–230VAC, CE/OIML | 12 lb | \$1,275.00 |
| 107708* | 720i Universal, 12–24VDC | 12 lb | \$1,375.00 |
| 101229** | 720i Panel Mount, 115–230VAC | 12 lb | \$1,275.00 |
| 119116** | 720i Panel Mount, 115–230VAC, CE/OIML | 12 lb | \$1,275.00 |
| 107710* | 720i Panel Mount, 12–24VDC | 12 lb | \$1,375.00 |
| Batch Software | | | |
| 115447† | 720i Universal, 115 VAC | 12 lb | \$1,275.00 |
| 115448†† | 720i Universal, 115–230VAC, CE/OIML | 12 lb | \$1,275.00 |
| 115449** | 720i Panel Mount, 115–230VAC | 12 lb | \$1,275.00 |

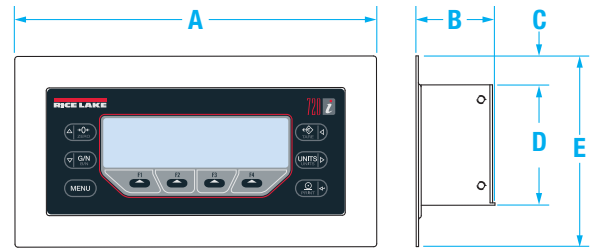
*DC/DC converter installed option, not UL approved

**Power cord sold separately



Options/Accessories

| Part # | Description | Price |
|--------------------------------|---|----------|
| Option Cards | | |
| 67601 | Digital I/O, 24-channel | \$275.00 |
| 67602 | Analog output: selectable 0-10 V, 0-20 mA | \$300.00 |
| 67604 | Serial, dual channel | \$325.00 |
| 93245 | USB Port (PC connection only-replaces serial port 2) | \$160.00 |
| Network Cards | | |
| 77142 | Ethernet TCP/IP Port (replaces serial port 2) | \$400.00 |
| 71986 | Ethernet TCP/IP module (installed in option slot) | \$400.00 |
| 108671 | Wireless LAN Card 802.11 A/B (replaces serial port 2) | \$570.00 |
| 87803 | EtherNet/IP® | \$800.00 |
| 68539 | Remote I/O interface | \$650.00 |
| 68540 | Profibus® DP interface | \$650.00 |
| 68541 | DeviceNet™ interface | \$650.00 |
| Hardware | | |
| 15436 | Power cord for panel mount NEMA Type 5-15 plug | \$17.00 |
| 105382 | Power cord for panel mount CEE 7/7 plug | \$17.00 |
| 93359 | PS/2 keyboard | \$90.00 |
| 19369 | Start/stop switch box | \$395.00 |
| 83570 | Clear protective overlay (package of five) | \$75.00 |
| 118975 | Panel mount kit, for universal | \$150.00 |
| 101923 | Remote relay box, does not include relay | \$235.00 |
| Manuals & Software | | |
| 103121 | Installation manual | \$25.00 |
| 104033 | 720i toolkit CD | \$35.00 |
| 107622 | 720i ProAction Simulator CD | \$295.00 |
| Primary Component Parts | | |
| 106788 | CPU board assembly | \$780.00 |
| 101244 | LCD Display (panel mount) transfective | \$130.00 |
| 102888 | LCD Display (universal) transfective | \$130.00 |
| 101239 | Display board (includes display for panel mount) | \$350.00 |
| 102887 | Display board (w/o display for universal) | \$260.00 |
| 67613 | AC power supply 100-240 nominal, 25 watt | \$135.00 |
| 132791 | DC/DC converter 12-24VDC nominal, 25 watt | \$195.00 |
| 101256 | Switch membrane for panel mount | \$55.00 |
| 101257 | Switch membrane for universal | \$65.00 |

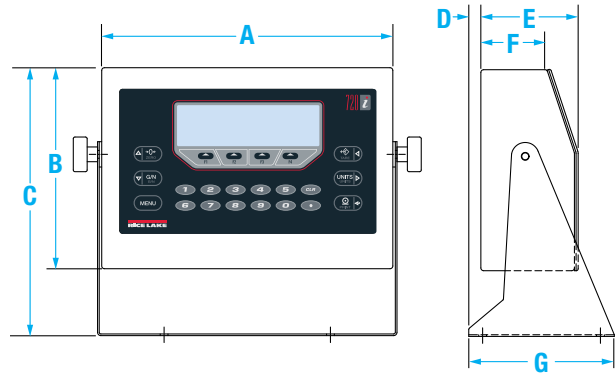


720i Panel Mount Display Dimensions

| | | | | | |
|---|------------------|---|-----------------|---|------------------|
| A | 7.36 in (187 mm) | D | 2.45 in (62 mm) | G | 6.12 in (155 mm) |
| B | 1.60 in (41 mm) | E | 3.88 in (99 mm) | | |
| C | 0.59 in (15 mm) | F | 0.62 in (16 mm) | | |

720i Panel Mount CPU Enclosure

(L x W x H): 12.75 x 6.05 x 2.14 in (324 x 154 x 5 mm)



720i Universal Dimensions

| | | | | | |
|---|-------------------|---|-----------------|---|------------------|
| A | 10.50 in (267 mm) | D | 0.44 in (11 mm) | G | 5.25 in (133 mm) |
| B | 7.25 in (184 mm) | E | 3.51 in (89 mm) | | |
| C | 9.66 in (245 mm) | F | 2.31 in (59 mm) | | |