

720i™ Series

Programmable Digital Weight Indicator/Controller

INDICATORS /
CONTROLLERS



Universal

Approvals



Measurement
Canada
Approved



Standard Features

- LCD display
- Four softkeys
- Truck In/Out, 1,000-ID memory (PCE software version)
- 32 setpoints, 26 configurable types (Batch software version)
- 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 and date
- Audit trail tracking and alibi storage
- Peak hold
- Rate of change
- Accumulator
- Multi-range/interval
- Local/remote
- Two full duplex serial ports
- Header for fiber-optic, Ethernet or USB



Panel Mount



CPU Enclosure

Specifications

Power:

Line voltages: 100 to 240 VAC
Frequency: 50 to 60 Hz
DC voltages: 12 to 24 VDC

Power Consumption:

25 W

Excitation Voltage:

10 VDC (± 5 VDC), 16 $\times$ 350 ohm or
32 $\times$ 700 ohm load cells

Analog Signal Input Range:

-10 mV to +45 mV

Analog Signal Sensitivity:

0.3 μ V/graduation minimum at 7.5 Hz
1.0 μ V/graduation recommended

A/D Sample Rate:

7.5 to 960 Hz, software selectable

Resolution:

Internal: 8,000,000 counts
Display: 1,000,000

System Linearity:

$\pm 0.01\%$ 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 20 mA
Optional dual-channel serial expansion boards
Channel A: RS-232, RS-485, 20 mA
Channel B: RS-232, 20 mA

Display:

240 $\times$ 64 pixel, transreflective LCD
Panel mount: 3.8 $\times$ 1.2 in (96 $\times$ 30 mm)
Universal: 5.3 $\times$ 1.5 in (133 $\times$ 39 mm)

Keys/Buttons:

Ten-key (panel mount) membrane panel
22-key (universal) membrane panel tactile feel

Temperature:

Certified: 14 $^{\circ}$ F to 104 $^{\circ}$ F (-10 $^{\circ}$ C to 40 $^{\circ}$ C)
Operating: 14 $^{\circ}$ F to 122 $^{\circ}$ F (-10 $^{\circ}$ C to 50 $^{\circ}$ C)

Rating/Material:

NEMA Type 4X/IP66
Stainless steel

Weight:

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

Warranty:

Two-year limited

EMC Immunity:

3 V/m

Approvals:

NTEP CC 08-022, Class III/IIIL 10,000 d
Measurement Canada AM-5677C
Class III/IIILD 10,000d
CE Marked
UL/cUL Listed (universal)
UL/cUL Recognized (panel mount)

Part Number/Price

Part #	Description	Est. Weight	Price
PCE Software			
101230 †	720i Universal, 115 VAC	12 lb	Consult
103459 ††	720i Universal, 115 to 230 VAC, CE	12 lb	Consult
107708 *	720i Universal, 12 to 24 VDC	12 lb	Consult
101229 **	720i Panel Mount, 115 to 230 VAC	12 lb	Consult
119116 **	720i Panel Mount, 115 to 230 VAC, CE	12 lb	Consult
107710 *	720i Panel Mount, 12 to 24 VDC	12 lb	Consult
Batch Software			
115447 †	720i Universal, 115 VAC	12 lb	Consult
115448 ††	720i Universal, 115 to 230 VAC, CE	12 lb	Consult
115449 **	720i Panel Mount, 115 to 230 VAC	12 lb	Consult

*DC/DC converter installed option, not UL approved

**Power cord sold separately



† US plug (NEMA) - Type B



†† Euro Plug - Type E

Options/Accessories

Part #	Description	Price
Option Cards		
67601	Digital I/O, 24-channel	Consult
67602	Analog output: selectable 0-10 V, 0-20 mA	Consult
67604	Serial, dual channel	Consult
Network Cards		
77142	Ethernet TCP/IP Port (replaces serial port 2)	Consult
71986	Ethernet TCP/IP module (installed in option slot)	Consult
206272	Wi-Fi 802.11 A/B (replaces serial port 2)	Consult
87803	EtherNet/IP™ interface	Consult
68540	PROFIBUS® DP interface	Consult
68541	DeviceNet® interface	Consult
Hardware		
15436	Power cord for Panel Mount NEMA Type 5-15 plug	Consult
105382	Power cord for Panel Mount CEE 7/7 plug	Consult
19369	Start/stop switch box	Consult
83569	Clear protective overlay (package of five)	Consult
118975	Mount kit to convert Universal to Panel - non-NEMA rated	Consult
101923	Remote relay box, does not include relay	Consult
Manuals & Software		
103121	Installation manual	Consult
Primary Component Parts		
106788	CPU board assembly with PCE firmware	Consult
195388	CPU board assembly with batching firmware	Consult
101244	LCD display (Panel Mount) transfective	Consult
102888	LCD display (Universal) transfective	Consult
101239	Display board (includes display for Panel Mount)	Consult
102887	Display board (w/o display for Universal)	Consult
67613	AC power supply 100 to 240 nominal, 25 watt	Consult
132791	DC/DC power supply 12 to 24 VDC nominal, 25 watt	Consult
101256	Switch membrane for Panel Mount	Consult
101257	Switch membrane for Universal	Consult

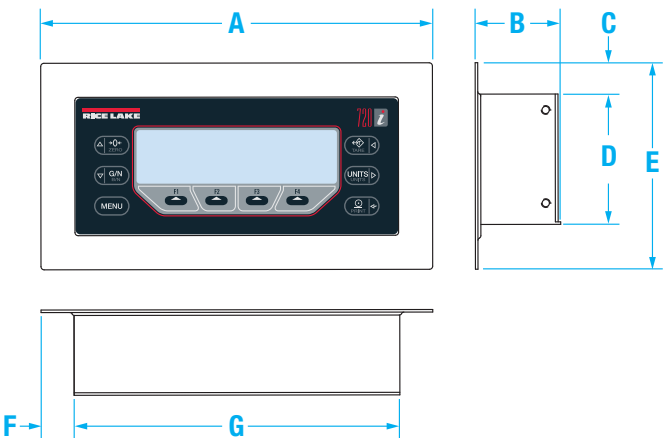
To have your option factory installed, please specify when placing your order.

720i™ Series

Programmable Digital Weight Indicator/Controller

Dimensions

720i Panel Mount Display					
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 × W × H): 12.75 × 6.05 × 2.14 in (324 × 154 × 5 mm)					



Dimensions

720i Universal					
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)		

