

720i™ Series Programmable Weight Indicator and Controller

RICE LAKE
WEIGHING SYSTEMS

A partir de: martes, febrero 4, 2025



Características estándar

- 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

Homologaciones



Measurement
Canada
Approved

NOM



WARNING: Cancer
and Reproductive
Harm California
Proposition 65

Functional and Controllable Digital Weight Indicator

The 720i indicator/controller proves its ability to control more processes, more equipment and more information than other basic models. Automate entire systems by commanding batch formulation, inventory management and traceability. Capture and store weight data, link more peripheral equipment and do it all with ease. The 720i design presents an operator keypad in either universal or panel-mount enclosures. Programmable softkeys and operator prompts offer more functionality and control for busy industrial settings.

Utilize the standard configurable batch engine of the 720i Batching version or explore the programming capabilities of the 720i Advanced Truck version in advanced truck mode. Both versions feature local remote capability, allowing multiple indicators to simultaneously display the same data for effortless tracking. Whether used for truck scale operations, data collection, batching or networking, this versatile indicator/controller is an intelligent solution.

720i Weight Indicator 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 20mA
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, transfective 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 °F to 104 °F (-10 °C to 40 °C)
Operating: 14 °F to 122 °F (-10 °C to 50 °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

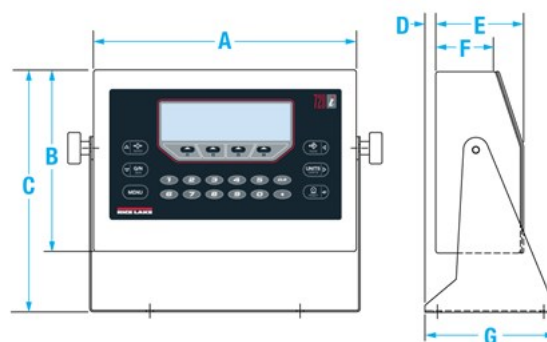
EMC Immunity:

3 V/m

Approvals:

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

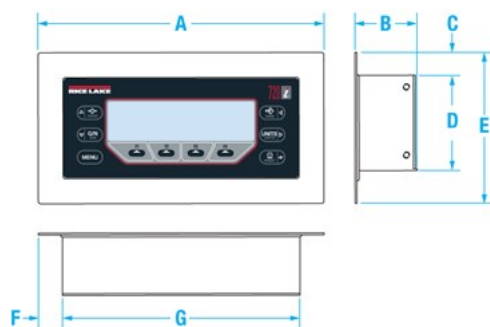
720i Universal Dimensions



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)		

720i Panel Mount Dimensions



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)

Códigos de productos

Código Descripción

PCE Software

101230	Indicator,720i Universal With PCE Software ROHS Compliant, 115VAC
103459	Indicator,720i Universal With PCE Software ROHS Compliant 85VAC-260VAC CEE 7/7 Power Cord
107708	Indicator,720i Universal DC-DC Convertor, 12 - 36VDC, 25 Watt
101229	Indicator,720i Panel Mount ROHS Compliant, 85VAC-260VAC Loaded with PCE Firmware.
119116	Indicator,720i Panel Mount,OIML Marked,ROHS Compliant,85VAC-260VAC
107710	Indicator,720i Panel Mount with DC-DC Convertor, 12 - 36VDC Nominal, 25 Watts.

Batch Software

115447	Indicator,720i Universal With Batch Software, ROHS Compliant, 115VAC, NEMA 5-15 Power Cord
115448	Indicator,720i Universal With Batch Software, ROHS Compliant, 85-260VAC, CEE 7/7 Power Cord
115449	Indicator,720i Panel Mount, with Batch Software, ROHS Compliant, 85-260VAC

Opciones

Código Descripción

Option Cards

67601	Ind OPT,I/O 24 Channel 720i, 820i, 920i
67602	Ind OPT,Analog Output 0-10V, 0-20mA, 4-20mA for 720i, 820i, 920i
67604	Ind OPT,Serial Port Dual Channel Full Duplex RS232 and 4 Wire RS485 720i, 820i, 920i

Network Cards

77142	Ind OPT,Ethernet Interface 720i, 820i, iQube, CW90, CW90X
71986	Ind Opt,Ethernet TCP/IP Interface Card, Embedded Device Server 10/100baseT 920i, 820i & 720i.
206272	Ind Opt,Wireless LAN Card RS232/WiFi Interface 802.11 A/B 10/100 XPico for CW90,720i,iQube2
87803	Ind Opt,EtherNet/IP for 920i, 820i and 720i. Protocol for Allen-Bradley PLC.
68540	Ind Opt,PROFIBUS DP Interface Kit (Internal), 720i, 820i and 920i.
68541	Ind Opt,DeviceNet Interface 720i, 820i and 920i.

Hardware

15436	Power Cord,Pigtail 9ft 10in, Black, SVT, 18 gauge/3 conductor, CEE color code
105382	Power Cord,230VAC,CEE7/7 Continental Europe, Molded Plug, 8ft 2in with Pigtail, HO5RN-F, Harmonized
19369	Ind Opt,Start/Stop ASSY External FRP Nema 4X Box For Use Universal or Desktop units.
83569	Overlay, Clear Protective Window with Adhesive Edge, Package of Five Each, 820i, 920i
118975	Option,720 Panel Mount Universal Indicator, Bracket w/Gaskets, Non-Nema Seal
101923	I/O,Relay Rack Cased 4 Channel OPTO22 Relay Rack, 7 Foot I/O Cable, 6 Cord Grips, Breather Vent. *** RELAYS NOT INCLUDED ***

Manuals and Software

103121	LIT,Manual 720i 720i Programmable HMI Indicator/Controller Technical Manual
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Primary Component Parts

106788	Board Assy,CPU 720i With PCE Software
195388	Board Assy,CPU 720i With Batching Software.
101244	Display Module,LCD 240x64 Small Format, FSTN Positive, 6:00 view, Wide Temp, Transflective White LED B/L, Header, ROHS Compliant, 720i
102888	Display Module,LCD 240x64 Large Format, FSTN Positive, 6:00 View, Wide Temp, Transflective White LED B/L and cable, Header + Current Limit Resistor, 720i ROHS Compliant
101239	Board ASSY,720i Remote ROHS Compliant, Remote Display, 240x64 w/Rice Lake Protocol int. LCD, Transflective, FSTN Gray.
102887	Board Assy,Display Host 720i ROHS Compliant W/Rice Lake protocol for Larger Format display
67613	Power Supply,+/- 6V 25W Board 920i Universal, 820i, and 720i. Protective Cover - PN 85494
132791	Power Supply,DC/DC 9-36 VDC Input +/- 6VDC Output,25 Watt,Onboard/Livestock/920i
101256	Overlay,720i Panel Mount Membrane Switch Panel for Remote Display,ROHS Compliant
101257	Overlay,720i Universal Membrane Switch Panel for Universal with full keypad,ROHS-Comp.

www.ricelake.com | 800-472-6703

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