

# 720i™

## Programmable HMI Indicator/Controller

### Specifications

**Power:**

Line voltages: 115 or 230VAC,  
Frequency: 50 or 60 Hz  
Power consumption: 25 watts maximum

**Excitation Voltage:**

10VDC, 16 x 350Ω or 32 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  
4.0 μV/graduation typical at 960 Hz

**A/D Sample Rate:**

7.5 to 960 Hz, software selectable

**Resolution:**

Internal resolution: 8 million counts/8,000,000 23 bit  
Weight display resolution: 9,999,999

**System Linearity:**

± 0.01% full scale

**Digital I/O:**

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

**Circuit Protection:**

RFI, EMI, ESD protection

**Serial Ports:**

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

**Optional Communication:**

Ethernet TCP/IP  
RS-485-4 wire  
Fiber optic  
USB

**Display:**

Viewable area:  
Panel mount 3.8 x 1.2 in (96 x 30 mm)  
Universal 5.3 x 1.5 in (133 x 39 mm)  
240 x 64 pixel, Transflective VGA Liquid Crystal Display (LCD) module with adjustable contrast

**Keyboard:**

10-key (panel mount) membrane panel,  
22-key (universal mount) membrane panel tactile feel,  
720i will support an external keyboard

**Operating Temperature:**

Legal: 14°F to 104°F (-10°C to 40°C)  
Industrial: 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 4X/IP66, stainless steel

**Warranty:**

Two-year limited warranty

**Approvals:**

NTEP CC 08-022, Class III/IIIL 10,000d  
Measurement Canada AM 5426 10,000d Class III/IIHHD  
OIML UK 2893 6,000/10,000d  
CE marked  
UL /CUL listed (universal)  
UL recognized (panel mount)  
ROHS compliant



Universal



Panel Mount



CPU Enclosure

### APPROVALS



Measurement  
Canada  
Approved



### Standard Features

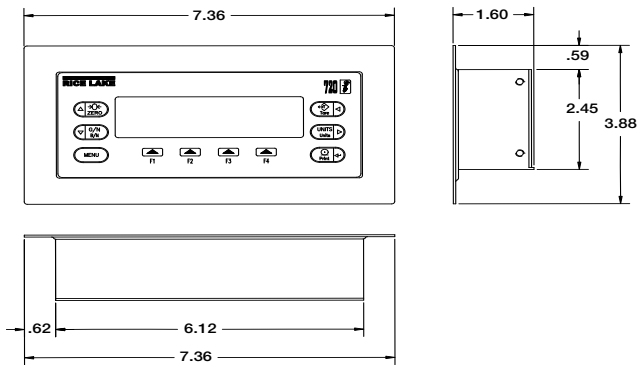
- LCD display size: panel mount (3.8 in x 1.2 in), universal (5.3 x 1.5 in)
- Four soft keys
- Truck in/out, 1,000-ID memory
- Process control engine ProAction PCE define conditions and actions
- Data storage onboard, ProAction DBE user-defined
- Eight Digital I/O (expandable)
- One option slot for pluggable 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

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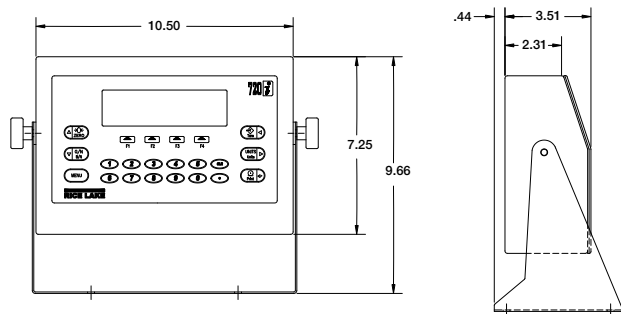
## Part Number/Price

PART #	DESCRIPTION	EST. SHIP WEIGHT	PRICE
<b>PCE Software</b>			
101230 †	720i Universal 115/230VAC	12 lb	Consult
103459 ††	720i Universal 115/230VAC, CE/OIML marked	12 lb	Consult
107708	720i Universal, 9-36VDC	12 lb	Consult
101229**	720i Panel Mount 115/230 VAC	12 lb	Consult
119116**	720i Panel Mount 115/230 VAC, CE/OIML marked	12 lb	Consult
107710	720i Panel Mount, 9-36VDC	12 lb	Consult
<b>Batch Software</b>			
115447 †	720 Universal 115/230 VAC	12 lb	Consult
115448 ††	720 Universal 115/230 VAC CE/OIML marked	12 lb	Consult
115449	720i Panel Mount 115/230 VAC	12 lb	Consult

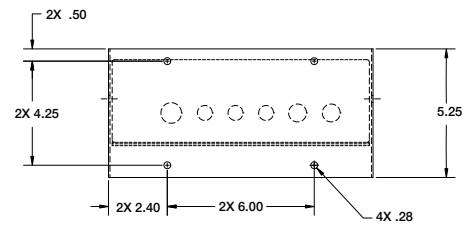


720i Panel Mount Display

NOTE: Panel Mount CPU enclosure measures 12.75 in (L) x 6.05 in (W) x 2.14 in (H)



720i Universal



## Options/Accessories

PART #	DESCRIPTION	PRICE
<b>Option Cards</b>		
67601	Digital I/O, 24-channel	Consult
67602	Analog output: selectable 0-10V, 0-20 mA	Consult
67604	Serial, dual channel	Consult
93245	USB Port (PC connection only-replaces serial port 2)	Consult
<b>Network Cards</b>		
77142	Ethernet TCP/IP Port (replaces serial port 2)	Consult
71986	Ethernet TCP/IP module (installed in option slot)	Consult
87803	Ethernet IP (specifically for A-B PLC)	Consult
108671	Wireless LAN Card 802.11 A/B	Consult
68539	Allen-Bradley Remote I/O interface (limited supply)	Consult
68540	Profibus™ DP interface	Consult
68541	DeviceNet™ interface	Consult
<b>Hardware</b>		
15436	Power cord for panel mount NEMA 5-15 plug	Consult
105382	Power cord for panel mount CEE 7/7 plug	Consult
96736	Fiber optic board (replaces serial port 2)	Consult
93359	PS/2 Keyboard	Consult
92777	Filter PreVent™ vent kit	Consult
19369	Start/stop switch box	Consult
83570	Clear protective overlay (package of five)	Consult
118975	Panel mount kit, for Universal	Consult
30549	Relay rack	Consult
<b>Manuals &amp; Software</b>		
103121	Installation manual	Consult
104033	720i toolkit CD	Consult
107622	720i ProAction Simulator CD	Consult
<b>Primary Component Parts</b>		
106788	CPU board assembly	Consult
101244	LCD Display (panel mount) transfective	Consult
102888	LCD Display (universal) transfective	Consult
101239	Display board (with display for panel mount)	Consult
102887	Display board (w/o display for universal)	Consult
67613	AC power supply	Consult
97474	DC/DC converter 9-36 nominal, 25 watt	Consult
101256	Switch membrane for panel mount	Consult
101257	Switch membrane for universal	Consult

\*DC/DC converter installed option, requires serial tag charge, not UL approved  
 \*\*Power cord sold separately



INDICATORS / CONTROLLERS

www.ricelake.com | Phone: 800-472-6703

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