

720i™

Programmable HMI Indicator/Controller

Specifications

Power:

Line voltages: 90 or 264 VAC
 Frequency: 50 or 60 Hz
 Power consumption: 25 watts maximum

Excitation Voltage:

10 VDC, 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:

2 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)

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 external keyboard support

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 Type 4X/IP66, stainless steel

Warranty:

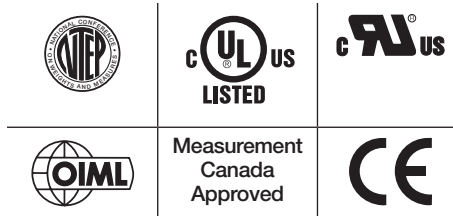
Two-year limited warranty

Approvals:

NTEP CC 08-022, Class III/IIL 10,000d
 Measurement Canada AM 5677 10,000d Class III/IIHD
 OIML UK 2893 6,000/10,000d
 CE marked
 UL /CUL listed (universal)
 UL recognized (panel mount)
 ROHS compliant



APPROVALS



Standard Features

- LCD display size: panel mount (3.8 x 1.2 in), universal (5.3 x 1.5 in)
- 4 softkeys
- Truck in/out, 1,000-ID memory
- Process control engine ProAction PCE define conditions and actions
- Data storage onboard, ProAction DBE user-defined
- 8 Digital I/O (expandable)
- 1 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
- 2 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



720i™

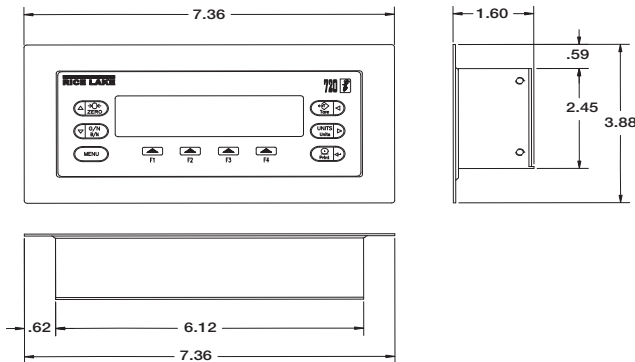
Programmable HMI Indicator/Controller

Part Number/Price

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

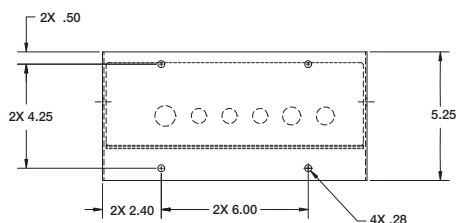
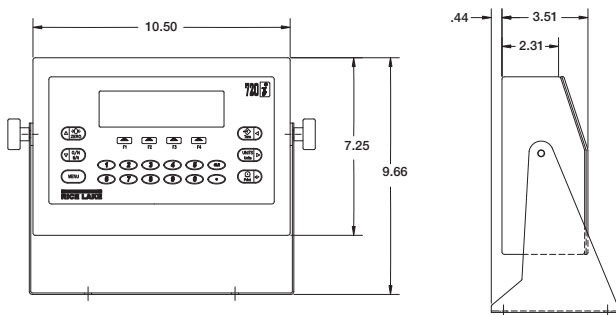
*DC/DC converter installed option, requires serial tag charge, not UL approved

**Power cord sold separately



720i Panel Mount Display

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



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 |
| 93245 | USB Port (PC connection only-replaces serial port 2) | Consult |
| Network Cards | | |
| 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 |
| Hardware | | |
| 15436 | Power cord for panel mount NEMA 5-15 plug | Consult |
| 105382 | Power cord for panel mount CEE 7/7 plug | 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 |
| Consult | Relay rack | Consult |
| 101923 | Relay box enclosure, does not include relay | Consult |
| Manuals & Software | | |
| 103121 | Installation manual | Consult |
| 104033 | 720i toolkit CD | Consult |
| 107622 | 720i ProAction Simulator CD | Consult |
| Primary Component Parts | | |
| 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 |



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