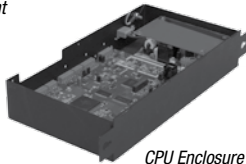


720i™ Programmable HMI Indicator/Controller

Universal



Panel Mount



CPU Enclosure

STANDARD FEATURES

- LCD display size: panel mount (3.8 in x 1.2 in), universal (5.3 in 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

APPROVALS

Measurement
Canada
Approved

**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 @ 7.5 Hz
1.0 μV/graduation typical @ 120 Hz
4.0 μV/graduation typical @ 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 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 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

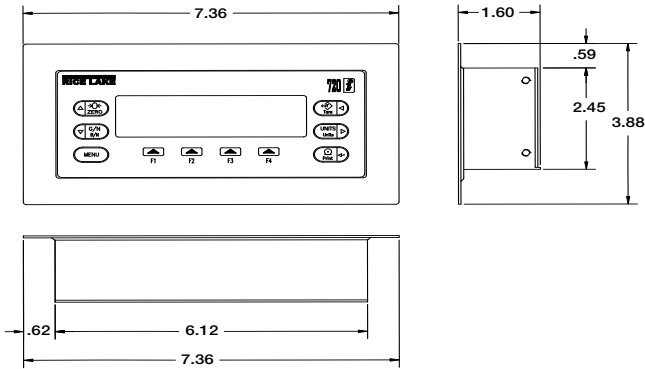
Approvals:

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

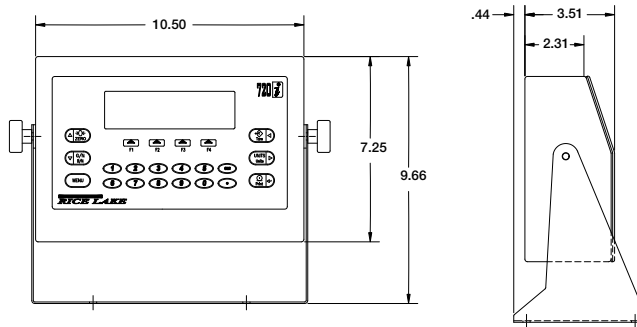
720i™ Programmable HMI Indicator/Controller

PART NUMBER/PRICE

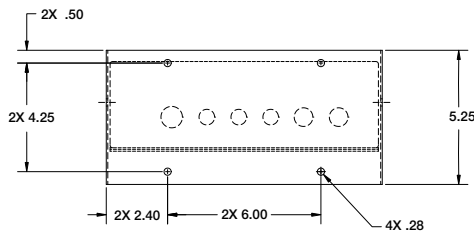
PART #	DESCRIPTION	EST. SHIP WEIGHT	PRICE
101230	720i Universal 115/230 VAC †	12 lb	Consult
103459	720i Universal 115/230 VAC, †† CE/OIML marked	12 lb	Consult
107708	720i Universal, 9-36VDC Nominal	12 lb	Consult
101229	720i Panel Mount 115/230 VAC**	12 lb	Consult
119116	720i Panel Mount 115/230 VAC,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



720i Panel Mount



720i Universal



OPTIONS/ACCESSORIES

PART #	DESCRIPTION	PRICE
Option Cards		
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
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	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
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
Manuals & Software		
103121	Installation manual	Consult
104033	720i toolkit CD	Consult
107622	720i ProAction Simulator CD	Consult
Relay Products can be found on page 39		
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

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

**Power cord sold separately



INDICATORS/CONTROLLERS