

720i Programmable HMI Indicator/Controller



Panel Mount
(CPU Enclosure Not Shown)



Universal



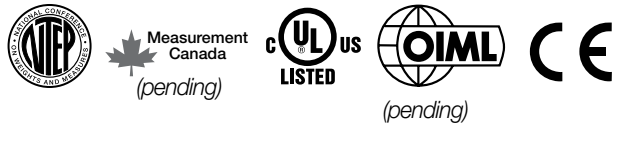
Standard Features

- LCD display size: panel mount (3.8" x 1.2")
universal (5.3" x 1.5")
- Four soft keys
- Truck in/out, 1,000-ID memory
- Process control engine - define conditions and actions
- Data storage onboard, user-defined
- (8) 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
- Multi-range/interval
- Local/remote

Functionality:

- Two full duplex serial ports
- One PC style keyboard port
- Header for fiber optic, Ethernet or USB

Approvals



Specifications

POWER:

Line voltages: 115 or 230 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 @ 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 expansion
boards available

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, 20 mA
output

External keyboard port

OPTIONAL COMMUNICATION:

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

DISPLAY:

Viewable area:
Panel mount 3.8" x 1.2" (96 x 30 mm)
Universal 5.3" x 1.5" (133 x 39 mm)
240 x 64 pixel, 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
connection

OPERATING TEMPERATURE:

Legal: 14°F to 104°F
(-10°C to +40°C)

Industrial: 14°F to 122°F
(-10°C to +50°C)

DIMENSIONS:

Universal: 10.5" W x 7.5" H x 3.4"
Panel Mount Display: 7.6" x 3.9" x 1.5"
CPU: 6" x 11" x 2.2"

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

APPROVALS: (PENDING)

NTEP - certified at 10,000 divisions,
Class III/III

Measurement Canada-10,000
divisions, Class III/IIIHD

OIML-6,000/10,000 divisions
CE marked

UL /CUL listed (universal)

UL recognized (panel mount)

ROHS compliant

WARRANTY:

Two-year limited warranty

PART #	DESCRIPTION	EST. SHIP WEIGHT	PRICE
101230	720i Universal 115/230 VAC		\$1,095.00
103459	720i Universal 115/230 VAC, CEE 7/7 plug CE/OIML marked.....		1,095.00
101229	720i Panel mount 115/230, CUL/NTEP, CE/OIML marked (power cord sold separately)		1,095.00



†NEMA 5-15 plug pattern



††CEE 7/7 plug pattern

Options/Accessories

Option Cards

67601	Digital I/O, 24-channel		250.00
67602	Analog output: selectable 0-10V, 0-20 mA.....		300.00
67604	Serial, dual channel.....		300.00
93245	USB Port (PC connection only-replaces serial port).....		125.00

Network Cards

77142	Ethernet TCP/IP Port (replaces serial port 2)		400.00
71986	Ethernet TCP/IP module (installed in option slot)		400.00
68539	Allen-Bradley Remote I/O interface		650.00
68540	Profibus® DP interface.....		650.00
68541	DeviceNet™ interface		650.00
87803	Ethernet IP for A-B PLC (internal)		800.00

Hardware

102526	DC/DC converter kit*, 9-36 VDC nominal.....		150.00
15436	Power cord for panel mount NEMA 5-15 plug.....		17.00
44679	Power cord for panel mount CEE 7/7 plug.....		17.00
96736	Fiber optic board		300.00
93359	PS/2 Keyboard		35.00
92777	Filter PreVent™ vent kit.....		25.00
19369	Start/stop switch box.....		300.00

Manuals & Software

103121	Installation manual		25.00
77925	Revolution III scale software		35.00

I/O Relay Modules

52332	2-channel input relay, 2.5-28 VDC.....		40.00
52318	2-channel input relay, 120 VAC		40.00
52319	2-channel input relay, 240 VAC		40.00
52316	2-channel output relay, 120-140 VAC @ 2 amp.....		40.00
52317	2-channel output relay, 240-280 VAC @ 7 amp.....		40.00
52312†††	8-channel relay rack, relays sold separately.....		115.00
52314†††	16-channel relay rack, relays sold separately.....		165.00
52315†††	24-channel relay rack, relays sold separately.....		260.00
70780	Cable, 50-pin flat ribbon for digital I/O (for use with panel mount indicator)		49.00
70779	Cable, 50-pin round ribbon for digital I/O with cord grip		145.00

†††Requires 50-pin flat or round ribbon cable

Primary Component Parts

100531	CPU board assembly		750.00
101244	Display panel mount		125.00
102888	Display universal		125.00
101139	Display board (w/o display)		250.00
67613	AC power supply		130.00
97474	DC/DC converter 9-36 nominal, 25 watt.....		150.00
101256	Switch membrane for panel mount		55.00
102257	Switch membrane for universal		65.00