



Panel Mount
(CPU Enclosure Not Shown)



Universal



STANDARD FEATURES

- LCD display size: panel mount (3.8in x 1.2in)
universal (5.3in x 1.5in)
- Four soft keys
- Truck in/out, 1,000-ID memory
- Process control engine Pro Action PCE define conditions and actions
- Data storage onboard, Pro Action 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
(pending)



SPECIFICATIONS

POWER:

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

EXCITATION VOLTAGE:

10VDC, 16 x 350Ω or 32 x 700Ω load cells

ANALOG SIGNAL INPUT RANGE:

-10mV to +45mV

ANALOG SIGNAL SENSITIVITY:

0.3μV/graduation minimum @ 7.5Hz
1.0μV/graduation typical @ 120Hz
4.0μV/graduation typical @ 960Hz

A/D SAMPLE RATE:

7.5 to 960Hz, 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 20mA 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 3.8in x 1.2in (96mm x 30mm)
Universal 5.3in x 1.5in (133mm x 39mm)
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)

DIMENSIONS (W X H X D):

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

WEIGHT:

Universal enclosure: 9.5lb (4.3kg)
Panel Mount enclosure: 8.5lb (3.9kg)

RATING/MATERIAL:

NEMA 4X/IP66, stainless steel

APPROVALS:

NTEP - certified at 10,000 divisions, Class III/III
CC# 08-022

Measurement Canada-10,000
divisions, Class III/IIIHD (Pending)
OIML-6,000/10,000 divisions (Pending)

CE marked

UL /CUL listed (universal)

UL recognized (panel mount)

ROHS compliant

WARRANTY:

Two-year limited warranty

PART #	DESCRIPTION	EST. SHIP WEIGHT
101230.....	720i Universal 115/230VAC †	12 lb.....
103459.....	720i Universal 115/230VAC, †† CE/OIML marked.....	12 lb.....
107708.....	720i Universal, 9-36VDC Nominal	12 lb.....
101229.....	720i Panel Mount 115/230, CUL/NTEP, CE/OIML marked**	12 lb.....
107710.....	720i Panel Mount, 9-36VDC Nominal	12 lb.....

OPTIONS/ACCESSORIES

Option Cards

67601	Digital I/O, 24-channel	
67602	Analog output: selectable 0-10V, 0-20mA	
67604	Serial, dual channel.....	
93245.....	USB Port (PC connection only-replaces serial port 2).....	

Network Cards

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

Hardware

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

Manuals & Software

103121.....	Installation manual	
104033.....	720i toolkit CD.....	
107622.....	720i ProAction Simulator CD	

I/O Relay Modules - External

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

Primary Component Parts

106788.....	CPU board assembly	
101244.....	LCD Display (panel mount).....	
102888.....	LCD Display (universal).....	
101239.....	Display board (with display for panel mount)	
102887.....	Display board (w/o display for universal).....	
67613.....	AC power supply	
97474.....	DC/DC converter 9-36 nominal, 25 watt	
101256.....	Switch membrane for panel mount	
101257.....	Switch membrane for universal	

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

**Power cord sold separately

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

