720i™   Programmable HMI Indicator/Controller

*Panel Mount
(CPU Enclosure Not Shown)*

Universal

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

EXCITATION VOLTAGE:
10 VDC, 16 x 350 Ω or 32 x 700 Ω 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)

DIMENSIONS (W X H X D):
Universal: 10.5 in x 7.5 in x 3.4 in
Panel Mount Display: 7.6 in x 3.9 in x 1.5 in
CPU: 6 in x 11 in x 2.2 in

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