920i®   Programmable HMI Indicator/Controller

Panel Mount

Wall Mount

Universal

Deep Universal

APPROVALS

Measurement Canada Approved

STANDARD FEATURES

- Large (4.6 in W x 3.4 in H, 320 x 240 pixel) back-lit LCD graphical display
- Selectable character sizes from .25 in to 1.2 in
- 60 configurable operator prompts
- Display up to four scale channels per screen with required legal-for-trade information
- 32 scale accumulators
- Five soft keys with 10 user-defined, 14 preset functions per screen
- Ten programmable display screens
- Millivolt calibration, 5-point linearization and geographical calibration
- NEMA 4X/IP66 stainless steel enclosure
- Selectable A/D measurement rate up to 960/second
- 100 setpoints, 30 configurable setpoint types
- Two slots for option cards
- 1,000-ID truck register for in/out weighing
- 64K user on-board NV RAM
- User programmable 128K flash memory
- Reflash memory to upgrade firmware
- Power for 16, 350 Ω load cells per A/D board
- Local-remote indicators
- Multi range/interval
- Alibi storage
- Audit trail tracking
- Peak hold
- Rate of change

SPECIFICATIONS

POWER:
Line voltages: 115 or 230 VAC
Frequency: 50 or 60 Hz
Power consumption: 340 mA, maximum @ 115 VAC (26 W) 240 mA @ 230 VAC (26 W)

EXCITATION VOLTAGE:
10 ± VDC, 16 x 350 Ω or 32 x 700 Ω load cells per A/D card

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
Weight display resolution: 9,999,999

SYSTEM LINEARITY:
± 0.01% full scale

DIGITAL I/O:
Four I/O channels on CPU board; optional 24-channel I/O expansion boards available

CIRCUIT PROTECTION:
RFI, EMI, ESD protection

SERIAL PORTS:
Four ports on CPU board support up to 115,200 bps; optional dual-channel serial expansion boards available
Port 1: Full duplex RS-232
Port 2: RS-232 with CTS/RTS; PS/2 keyboard interface via DB-9 connector
Port 3: Full duplex RS-232, 20 mA output
Port 4: Full duplex RS-232, 2-wire RS-485, 20 mA output

DISPLAY (W X H):
4.6 in x 3.4 in (116 W x 86 mm H), 320 x 240 pixel VGA Liquid Crystal Display (LCD) module with adjustable contrast

KEYBOARD:
27-key membrane panel, tactile feel, PS/2 port for 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 (W X H X D):
Universal: 10.5 in x 11.2 in x 4.5 in (266 mm x 217 mm x 114 mm)
Wall Mount: 14.3 in x 18.0 in x 6.75 in (355 mm x 457 mm x 171 mm)
Panel Mount: 11.6 in x 9.2 in x 5.2 in (294 mm x 231 mm x 127 mm)
Deep Universal: 10.75 in x 10.75 in x 5.4 in (273 mm x 273 mm x 137 mm)

WEIGHT:
Universal enclosure: 9.5 lb (4.3 kg)
Wall Mount enclosure: 23.0 lb (10.4 kg)
Panel Mount enclosure: 8.5 lb (3.9 kg)
Deep Universal: 11 lb (5.0 kg)

RATING/MATERIAL:
NEMA 4X/IP66, stainless steel

APPROVALS:
NTEP - at 10,000 Divisions, Class III/IIIL, CC# 01-088A5
Measurement Canada at 10,000 Divisions, Class III/III HD AM-5426
OIML approved 6,000/10,000, UK 2658
CE marked
UL & C-UL listed (Universal, Deep and Wall Mount Enclosure)
Custom Wall Mount approved for 508A (Optional)
Panel Mount UL recognized

WARRANTY:
Two-year limited warranty