

920i Programmable Indicator/Controller



Standard Features

- Large (4.6" W x 3.4" H, 320 x 240 pixel) back-lit LCD graphical display
- Selectable character sizes from .25" to 1.2"
- 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
- 10 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
- 1000-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, 350Ω load cells per A/D board

Approvals



Specifications

POWER:

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

EXCITATION VOLTAGE:

10 ± 0.5 VDC, 16 x 350Ω or 32 x 700Ω 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:
 8,000,000 counts/8,000,000 23 bit
 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

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:

4.6" W x 3.4" H (116 W x 86 mm H), 320 x 240 pixel VGA Liquid Crystal Display (LCD) module with adjustable contrast, 75 Hz scan rate 26,000 cd/m² brightness

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:

Universal: 10.5" W x 10.9" H x 4.5" D (266 W x 215 H x 114 mm D)
 Desktop: 10.5" W x 5.7" H x 8.5" D (266 W x 114 H x 215 mm D)
 Wall Mount: 14.3" W x 18.0" H x 6.75" D (355 W x 457 H x 171 mm D)
 Panel Mount: 11.6" W x 9.2" H x 5.2" D (294 W x 231 H x 127 mm D)
 Deep Universal: 10.75" W x 10.75" H x 5.4" D (273 W x 273 H x 137 mm D)

WEIGHT:

Universal enclosure: 9.5 lb (4.3 kg)
 Desktop enclosure: 7.8 lb (3.5 kg)
 Wall Mount enclosure: 23.0 lb (10.4 kg)
 Panel Mount enclosure: 8.5 lb (3.9 kg)
 Deep Universal: 11.1 lb (5.0 kg)

RATING/MATERIAL:

NEMA 4X/IP66, stainless steel

APPROVALS:

NTEP - certified per H-44 at 10,000 Divisions, Class III/IIIL, CC# 01-088; Measurement Canada; CE marked; TUV; OIML approved, UK 2658; UL & CUL listed (Universal & Desktop) (Wall Mount approved for 508A industrial control panel) (Panel Mount recognized); OIML 6000/10,000 division 5, UK 2658
 Deep Universal - approvals pending

WARRANTY:

2-year limited warranty

* Separate enclosure for expanding beyond two option card slots (universal and desktop)

** Includes flat ribbon cable and power supply cable to CPU board (panel mount)

*** Includes flat ribbon cable and power supply cable to CPU board (wall mount)