

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



Measurement
Canada
Approved



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)