

920i® USB

Programmable HMI Indicator/Controller

Specifications

Power:

Line voltages: 115 or 230 VAC
Frequency: 50 or 60 Hz
Power consumption: 340 mA, maximum at 115 VAC (26W) 240 mA at 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 at 7.5 Hz
1.0 µV/graduation typical at 120 Hz
4.0 µV/graduation typical at 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:

Six 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: USB Type A and Type B connectors
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 x 3.4 in (116 x 86 mm), 320 x 240 pixel VGA liquid crystal display (LCD) module with adjustable contrast.
Transmissive display - standard
Transflective display - option

Keyboard:

27-key membrane panel, tactile feel

Operating Temperature:

Legal: 14° F to 104° F (-10° C to +40° C)
Industrial: 14° F to 122° F (-10° C to +50° C)

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 Type 4X/IP66, stainless steel

Warranty:

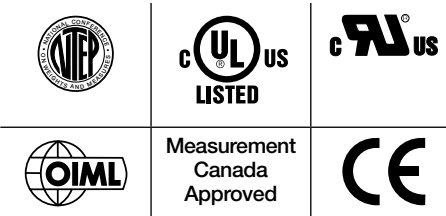
Two-year limited warranty

Approvals:

NTEP CC 01-088, Class III/III L 10,000d
Measurement Canada AM-5426, Class III/III HD 10,000d
OIML UK 2658, 6,000/10,000
CE marked
UL & C-UL listed (universal, deep and wall mount enclosure)
Custom wall mount approved for 508A (optional)
Panel mount UL recognized



APPROVALS



Standard Features

- LCD display, (W x H) 4.6 x 3.4 in (116 x 86 mm)
- The 920i USB shares the same hardware as the 920i
- USB interface card on Port 2
- The USB card is supported on Rev L CPU boards or later
- The 920i for USB interface requires firmware version 5.0 or higher

Connector Types:

- Standard Type A: 920i connects to keyboard, ASCII font label ticket printers and flash drives
- Standard Type B: 920i connects to PC

USB Interface Functions:

- Supports weigh mode and configuration mode functions
- Supports upload of databases and .920 configuration file
- Supports download of databases, .920 configuration file, iRite, COD file and firmware file
- Sanity checks for command errors

Flash Drives:

- Supports USB 2.0
- Create sub directories by unit ID and database name
- Use the root directory for generic files

Optional Washdown Connectors (see page 263)

- Sealed receptacle
- Connectors - cables
- USB cover - flash drive and receptacle

920i® USB

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Part Number/Price

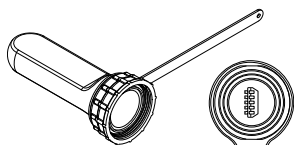
PART #	DESCRIPTION	EST. SHIP WEIGHT	PRICE
Single Channel - 115 VAC †			
115003	920i Universal	10 lb	\$2,050.00
115004	920i Deep Universal	12 lb	2,250.00
115005	920i Wall Mount, stainless steel	23 lb	2,650.00
115006	920i Panel Mount, stainless steel bezel	9 lb	2,050.00
Single Channel - 230 VAC †			
120062	920i Universal	10 lb	2,050.00
120064	920i Deep Universal	12 lb	2,250.00
120066	920i Wall Mount	23 lb	2,650.00
120069	920i Panel Mount	9 lb	2,050.00
Single Channel - 230 VAC with Euro plug ††			
120074	920i Universal	10 lb	2,050.00
120075	920i Deep Universal	12 lb	2,250.00
120078	920i Wall Mount	23 lb	2,650.00
120079	920i Panel Mount	9 lb	2,050.00
Single Channel - 9-36 VDC			
120080	920i Universal, 25 watt	10 lb	2,150.00
120081	920i Deep Universal, 25 watt	12 lb	2,350.00
120082	920i Wall Mount, 25 watt	23 lb	2,750.00
120083	920i Panel Mount, 25 watt	9 lb	2,150.00
Dual Channel - 115 VAC †			
120086	920i Universal	10 lb	2,150.00
120087	920i Deep Universal	12 lb	2,350.00
120088	920i Wall Mount	23 lb	2,750.00
120089	920i Panel Mount	9 lb	2,150.00
Dual Channel - 230 VAC †			
120090	920i Universal	10 lb	2,150.00
120092	920i Deep Universal	12 lb	2,350.00
120093	920i Wall Mount	23 lb	2,750.00
120095	920i Panel Mount	9 lb	2,150.00
Dual Channel - 230 VAC with Euro plug ††			
120096	920i Universal	10 lb	2,150.00
120097	920i Deep Universal	12 lb	2,350.00
120098	920i Wall Mount	23 lb	2,750.00
120099	920i Panel Mount	9 lb	2,150.00
No A-D Channel - 115 VAC †			
120100	920i Universal, without A/D channel	10 lb	1,900.00
120101	920i Deep Universal, without A/D channel	12 lb	2,100.00
120102	920i Wall Mount, without A/D channel	23 lb	2,500.00
120103	920i Panel Mount, without A/D channel	9 lb	1,900.00
No A-D Channel - 230 VAC with Euro plug ††			
120104	920i Universal, without A/D channel	10 lb	1,900.00
120105	920i Deep Universal, without A/D channel	12 lb	2,100.00
120106	920i Wall Mount, without A/D channel	23 lb	2,500.00
120107	920i Panel Mount, without A/D channel	9 lb	1,900.00



†† CEE 7/7 plug



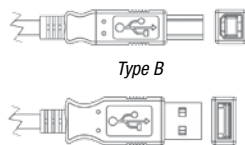
† NEMA Type 5-15 plug



Flash Drive Cover

Cover

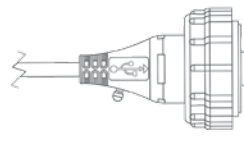
Unsealed Connectors



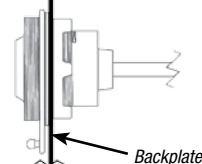
Type B

Type A

Sealed Connector



Sealed Receptacle



Backplate

Options/Accessories

PART #	DESCRIPTION	CONNECTOR TYPE				PRICE
		Sealed		Unsealed		
		A	B	A	B	
USB Options						
Note: Connector is a male plug, receptacle is a socket						
79074	Cable, unsealed connectors USB-A to USB-B, 6 ft			X	X	\$30.00
124700	IP68 cable with sealed connectors, USB-A to USB-B, 3 m	X	X			70.00
126477	IP68 cable with USB-A sealed connector, unsealed USB-A connector	X		X		70.00
124701	IP68 cable with USB-A sealed connector, unsealed USB-B connector, 3 m	X			X	70.00
124702	IP68 cable with USB-B sealed connector, unsealed USB-A connector, 3 m		X	X		70.00
126476	Receptacle USB-A sealed to unsealed USB-A connector, 0.5 m	X		X		75.00
124703	Receptacle USB-A sealed to unsealed USB-B connector, 0.5 m	X			X	75.00
124704	Receptacle USB-B sealed to unsealed USB-B connector, 0.5 m		X		X	75.00
125998*	Receptacle USB-A sealed to 5-Pin connector, 0.28 m (internal to 920i)	X				75.00
125999*	Receptacle USB-B sealed to 5-Pin Connector, 0.28 m (internal to 920i)	X				75.00
124694	Cover for sealed receptacles					5.00
124689	Cover for flash driver mounts on sealed receptacle					20.00
124695	Panel plug 1.125 in diameter					5.00
125077	Rice Lake USB flash drive, 1 GB					20.00
111109	USB Interface Card					160.00
99149	Keyboard, QWERTY 109-key USB, flexible, washable					135.00

Ethernet Options

		Sealed	Unsealed	
126353*	Ethernet RJ-45 receptacle sealed, 0.28 m internal to 920i (Requires Ethernet TCP/IP option installed)	X		75.00
124706	Ethernet cable with sealed connectors, 3 m	X		70.00
124707	Ethernet cable sealed connector to unsealed connector, 3 m	X	X	70.00

*These options require a milled back plate which has two cutouts. If ordering only one receptacle, a plug (PN 124695) is required for the second cutout. USB enclosure parts with cutout: PN 119891 (Universal) PN 115118 (Universal Deep) PN 126585 (Wall Mount)