



DataNet Wireless Temperature and Humidity Logger

Product Images



Short Description

The DNL920A is a wireless logger featuring internal temperature and humidity sensors and four external 2-wire inputs each capable of measuring temperature, voltage, current, frequency, pulse as well as dry contact.

With high accuracy and resolution across all inputs, the DNL920A records all measured data to its internal memory before transmitting wirelessly over the DataNet network to the online DataSuite monitoring software.

The DNL920A's compact and robust casing is suitable for most industrial applications. This model includes a 2-row LCD screen and two-button keypad for standalone operation, such as joining the device to the wireless network, as well as a rechargeable battery pack for long-term deployment. Depending on the logger configuration, the DNL920A can run up to several months on one charge. External alarm output is available as well as 12 V excitation for powering external sensors.

The DNL920A can also function as a Repeater, providing the logger with the ability to not only record and

transmit its own data but also to relay transmissions from other units, thereby enhancing the DataNet's mesh network capabilities.

Description

Key product benefits:

- Up to 6 measurement inputs with high accuracy and resolution
- Real-time, wireless transmission to PC with adjustable sampling and transmission rates to conserve battery power
- LCD for online viewing of data samples
- Support for scalable units, when connecting external sensors based on current or voltage outputs
- Four level alarm configuration with email/SMS notification and onboard alarm buzzer
- Long-lasting rechargeable battery for standalone monitoring
- 21 CFR Part 11 compliant

Additional Information

Brand	Fourtec	
Explanation	Specifications	
	RF NETWORK COMMUNICATION	
	Frequency	2.4 GHz
	Units per network	Up to 65,000
	Data rate	250 Kbps
	Full mesh network architecture supported	
	128-bit network security encryption	
	Worldwide license-free	
	RF Transmission	17 dbm
	HARDWARE SPECIFICATIONS	
	Display	2-row LCD with 16 character display
	Keypad	2-button keypad for standalone operation
	Power Supply	Internal rechargeable 4.8 V 800 mAh NiMH battery
		External 12 V DC input @ 300 mA 3.6 VA
		Back-up battery life up to 3 hours
	PC Interface	Mini USB type B cable
	Operating Temperature Range	-20 to 50 °C
Casing	Plastic ABS box	
Dimensions	9.7 x 9.3 x 2.7 cm	
Weight	200 g	
Mount	Table and wall mounting	
Standards Compliance	CE, FCC, IC Canada, IP54	
Power	Battery only	