

User Manual

Fire Extinguisher Pressure Sensor (FEPS)

Name: PIKA SENSE

Model: PIKA - FE





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1. How To Install



- **Step 1:** Ensure the fire extinguisher is in a zero-pressure state.
- **Step 2:** Use pliers to remove the original pressure gauge.
- **Step 3:** Install the Tee-connector, making sure the seal is tight.



- **Step 4:** Install the PIKA-FE.



- **Step 5:** Reinstall the original pressure gauge. After ensuring a proper seal, recharge the extinguisher to its original pressure.

- **Step 6:** Open the PIKA-FE cap, switch the power to the ON position, and check the indicator light to confirm proper communication and data accuracy.
- **Step 7:** Close the cap, use the "WNE Tools" app on an Android phone to configure PIKA-FE settings via NFC. Installation is complete, and the PIKA-FE is ready for use.







2. Key Features of the Configuration App

PIKA-FE is configured using the "WNE-Tool" app on an Android smartphone via NFC communication.

Users simply need to tap the phone's NFC antenna area to the cap of the PIKA-FE, and the configuration data will automatically load into the app.

The app provides several tabs for easy access and control:

- The **Device Info** tab displays sensor readings such as pressure (with support for multiple units), temperature, humidity, and installation tilt angle.
- The **LoRaWAN** tab allows users to modify LoRaWAN communication settings.
- The **Sensors** tab lets users configure individual sensor parameters.
- Lastly, the **Settings** tab is used to set the device ID, sensor reading intervals, and data transmission frequency.



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PIKA-FE

- DEVICE INFO
- LORAWAN
- SENSORS
- SETTINGS

0.00

kPa bar MPa psi

Temperature: 32.59°C

Humidity: 61.22%

Tilt angle: 2.76°

REFRESH VALUE

Model: PIKA-FE

Serial Number: 123456789

Hardware Version: 1.0

Firmware Version: 1.0

LoRaWAN Transmit Interval (min): 120

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PIKA-FE

- DEVICE INFO
- LORAWAN
- SENSORS
- SETTINGS



LoRaWAN Enable

Regional Band: AS923-2 ▼

Class: Class A ▼

Join Mode: ABP ▼

Device EUI: ADDEECC7A00000CC

Application EUI: 70B3D57ED0027460

Device Address: AABBCDD

Network Session Key: 11E6FD2D9AC364C607B02E32049C586E

Application Session Key: 501505161D504501150000504D05150

Tag not in the field



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DEVICE INFO | LORAWAN | **SENSORS** | SETTINGS

PRESSURE SENSOR

Pressure Sensor Enable

Pressure Threshold Warning

High Pressure Threshold (kPa):

300

Low Pressure Threshold (kPa):

0

TEMPERATURE SENSOR

Temperature Sensor Enable

Temperature Threshold Warning

High Temperature Threshold (°C):

50

HUMIDITY SENSOR

Humidity Sensor Enable

Humidity Threshold Warning

High Humidity Threshold (%):

95

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PIKA-FE

DEVICE INFO | LORAWAN | SENSORS | **SETTINGS**

Device ID:

123456789

LoRaWAN Transmit Interval (min):

120

Sensor Reading Interval (s):

300

For Calibration Only

Password:

SEND UPLINK NOW

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