



# WNE

Water and Environment Solutions Singapore



PIKA SENSE IS DESIGNED FOR INDOOR AND OUTDOOR ENVIRONMENTS, SUPPORTS CONNECTING WITH THE FIRE EXTINGUISHERS IN THE BUILDINGS, DATA CENTERS, AIRPORT, AND UTILITIES.

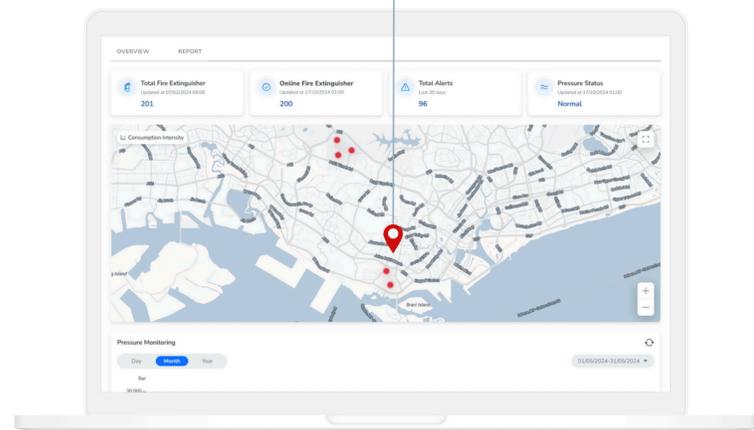
## PIKA SENSE

FIRE EXTINGUISHERS PRESSURE SENSORS

Safety Within Your Senses



EASY TO INSTALL. SMART ENOUGH TO ALERT BEFORE DANGER STRIKES



**8TEN PLATFORM**

### Wireless transmission

via LoraWan technology

### Easy Setup

Configure seamlessly with the Android app

### Cost-effective

Cut down on routine manual monthly inspections by 80-85%

### Instant Alerts

Act fast when thresholds are exceeded

### Real-time Monitoring

Track pressure, temperature & inclination level instantly

Collects pressure, environmental temperature and inclination level in real-time

Provides assets management by location tagging

Sends push alerts for expired service tags or pressure anomalies

Tracks maintenance reminders and logs



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## Application



### Engineered for Complex Sites

Built for airports, data centres, and large commercial buildings where regulations are strict and manual inspections drain time and resources



### Uncompromising Asset Protection

Safeguards critical operations and data where fire damage can mean devastating loss and costly downtime



### Future-Ready Safety for Smart Buildings

Seamlessly integrates with smart infrastructure to raise fire safety standards and reduce risk

## Collaboration benefits

### Industry-first mover advantage

Lead with smarter sensing technology

### Product offerings expansion

A new product line with advanced features

### New revenue stream

Recurring revenue stream generated by advanced hardware



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## SPECIFICATIONS

<b>Compatible with</b>	Powder/Foam extinguishers, Gas/Water pipelines
<b>Pressure Sensor</b>	Range: 0–0.6/1.6/4/10/20/30 MPa Non-linearity: $\pm 0.5$ %FS, BFSL Repeatability: $\pm 0.05$ %FS Hysteresis: $\pm 0.05$ %FS
<b>Temperature Range</b>	-10 to 70°C, Accuracy: $\pm 1^\circ\text{C}$
<b>Humidity Range</b>	0–99% RH, Accuracy: $\pm 3\%$ RH
<b>Inclination Range</b>	$\pm 90^\circ$ (X, Y, Z axes), Accuracy: $\pm 1^\circ$
<b>Battery</b>	2*14250 batteries (3.6VDC/2400mAh)
<b>Configuration</b>	NFC Android App
<b>IoT Communication</b>	LoRaWAN Class A Band: EU433, CN470, IN865, EU868, AU915, US915, KR920, RU864, and AS923 Radiated RF Power: +16dBm Sensitivity: -137dBm Internal antenna
<b>Installation</b>	M10 / M20 / G1/4 thread
<b>Pressure Sensor Protection Level</b>	IP67

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