Flow solutions since 1898

HAYES PUMP, INC.

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New England Operations
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Tel: 978-369-8800
Fax: 978-369-8461
www.hayespump.com

i-Alert2



Rob Jordan
Sales Manager

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i-Alert2 - What is it?



Bluetooth Equipment Monitor

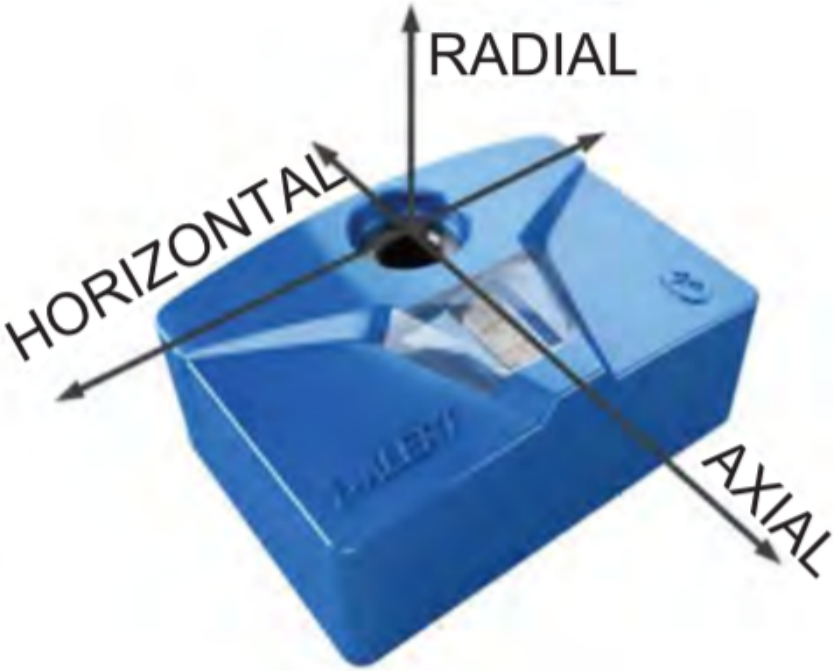
- Mounts on Equipment
- Collects and Stores Data
- Wireless Connection
  - Phone or Tablet

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What can it do?

- 3 Axis Vibration
- Temperature
- Basic Use
  - Green
  - Red

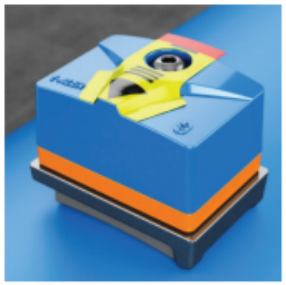


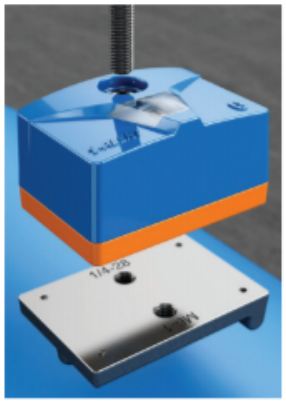
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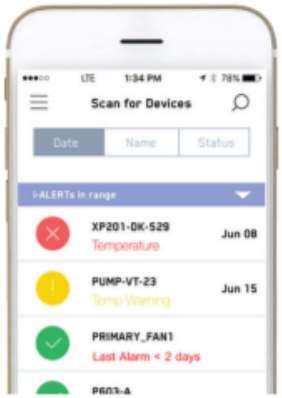
1 Install Sensor & Remove Sticker



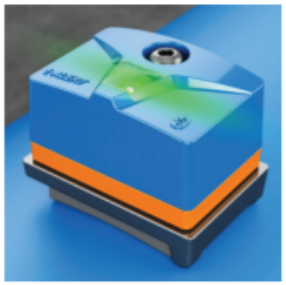


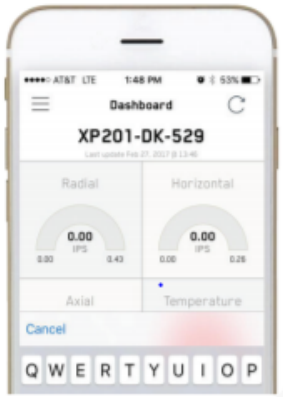
2 Download & Open App





3 Select Sensor & Edit Sensor Details





DONE

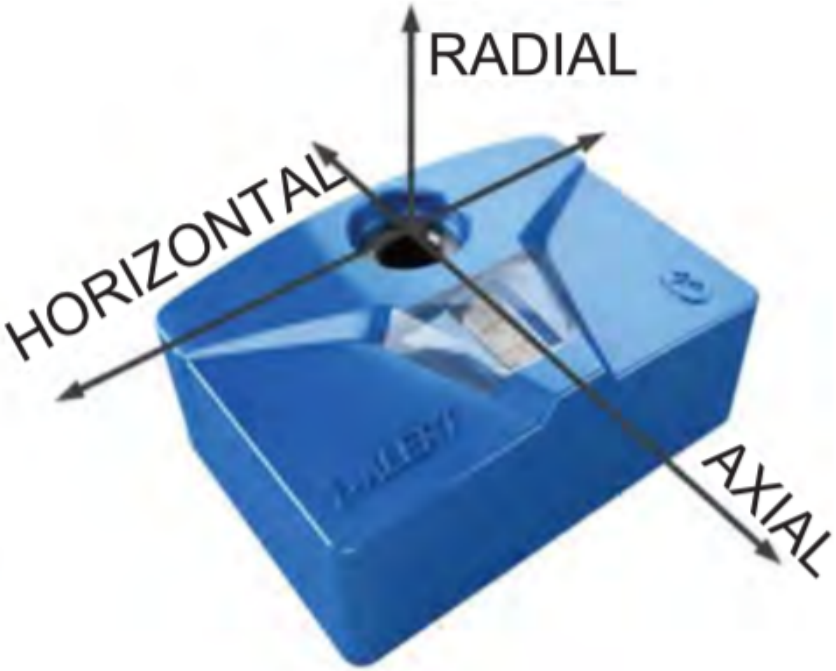


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What can it do?

- 3 Axis Vibration
- Temperature
- Advanced Use





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1 Activate



New i-Alerts are light activated by removing the sticker. i-Alert begins wirelessly broadcasting once activated.

2 Auto Alarm



Baseline = Average Vibration over 25 hours run-time
Vibration Alarm = 2 x Baseline, Minimum 0.125ips
Temperature Alarm default: 185ºF

OR

2 Manual Alarm



User manually sets the alarm thresholds via the i-Alert mobile application

3 Monitor



i-Alert checks every 5 minutes. If two consecutive readings are above alarm threshold the i-Alert will go into alarm and blink RED.

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What can it do?

Trending and Data Logging



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What can it do?

Trending and Data Logging



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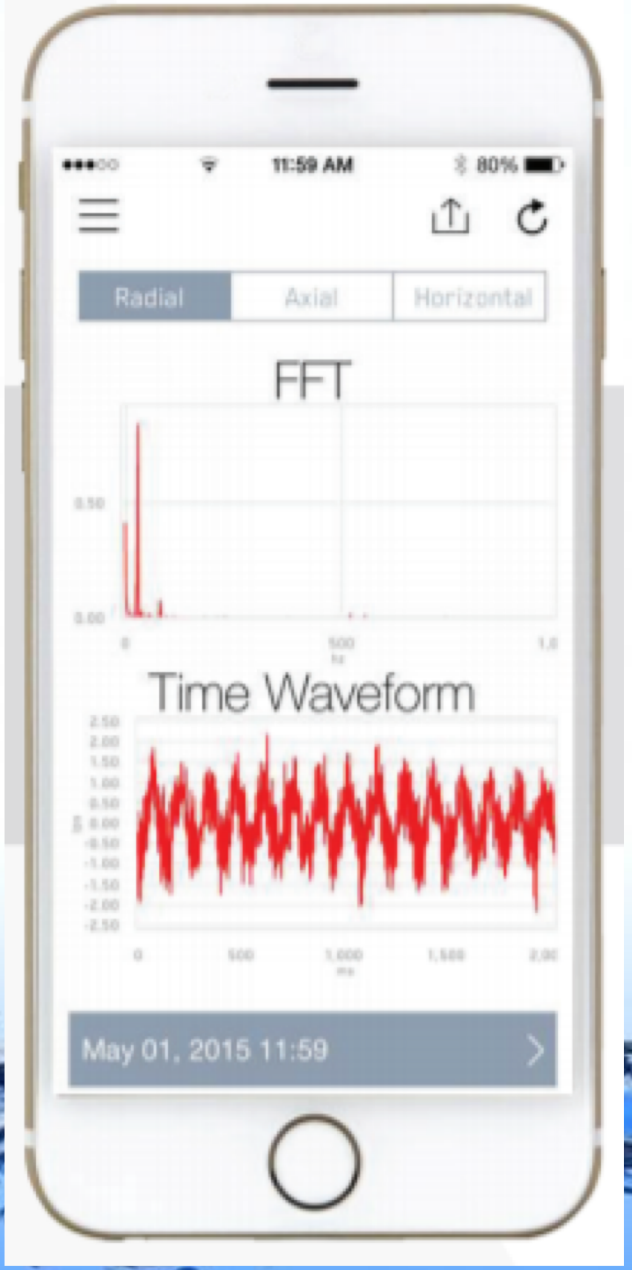
What can it do?

Machine Analysis

FFT

Time Waveform







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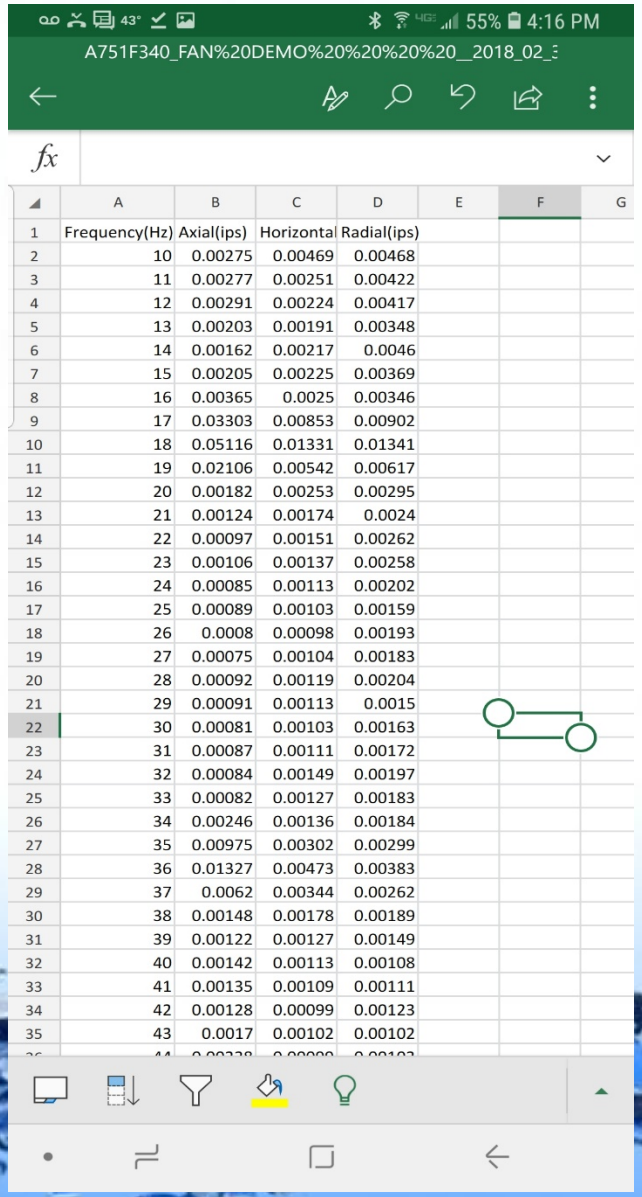
What can it do?
Reports



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What can it do?
Reports



	A	B	C	D	E	F	G
1	Frequency(Hz)	Axial(ips)	Horizontal	Radial(ips)			
2	10	0.00275	0.00469	0.00468			
3	11	0.00277	0.00251	0.00422			
4	12	0.00291	0.00224	0.00417			
5	13	0.00203	0.00191	0.00348			
6	14	0.00162	0.00217	0.0046			
7	15	0.00205	0.00225	0.00369			
8	16	0.00365	0.0025	0.00346			
9	17	0.03303	0.00853	0.00902			
10	18	0.05116	0.01331	0.01341			
11	19	0.02106	0.00542	0.00617			
12	20	0.00182	0.00253	0.00295			
13	21	0.00124	0.00174	0.0024			
14	22	0.00097	0.00151	0.00262			
15	23	0.00106	0.00137	0.00258			
16	24	0.00085	0.00113	0.00202			
17	25	0.00089	0.00103	0.00159			
18	26	0.0008	0.00098	0.00193			
19	27	0.00075	0.00104	0.00183			
20	28	0.00092	0.00119	0.00204			
21	29	0.00091	0.00113	0.0015			
22	30	0.00081	0.00103	0.00163			
23	31	0.00087	0.00111	0.00172			
24	32	0.00084	0.00149	0.00197			
25	33	0.00082	0.00127	0.00183			
26	34	0.00246	0.00136	0.00184			
27	35	0.00975	0.00302	0.00299			
28	36	0.01327	0.00473	0.00383			
29	37	0.0062	0.00344	0.00262			
30	38	0.00148	0.00178	0.00189			
31	39	0.00122	0.00127	0.00149			
32	40	0.00142	0.00113	0.00108			
33	41	0.00135	0.00109	0.00111			
34	42	0.00128	0.00099	0.00123			
35	43	0.0017	0.00102	0.00102			

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Advantages over conventional measurements

- Single sensor
- No cables
- Remote Readings (Bluetooth Range)
- Programmable Routes



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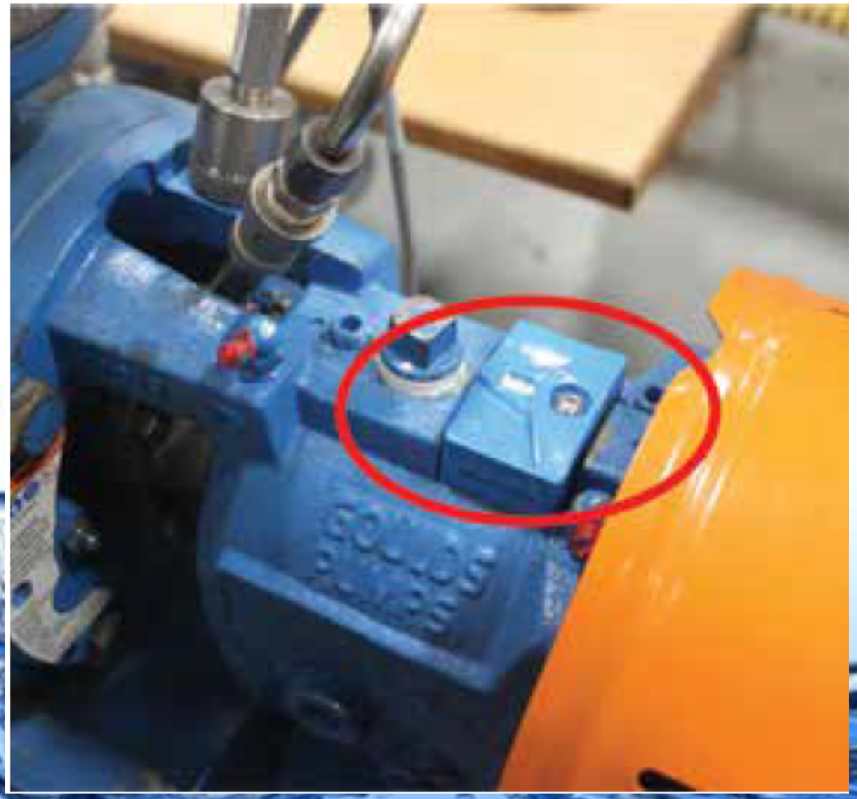
Advantages over conventional measurements



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Advantages over conventional measurement



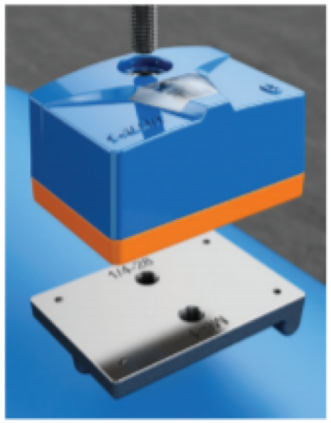
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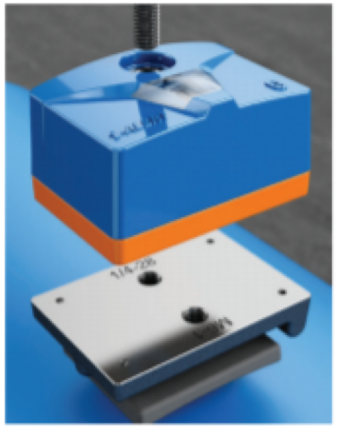
Advantages over conventional measurement

Aluminum Mounting Adapter



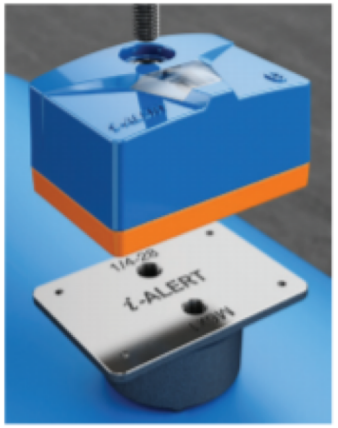
C10824A

Stainless Steel Mounting Adapter



C10987A

Magnetic Mounting Adapter



K09925A

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Advantages over conventional measurement



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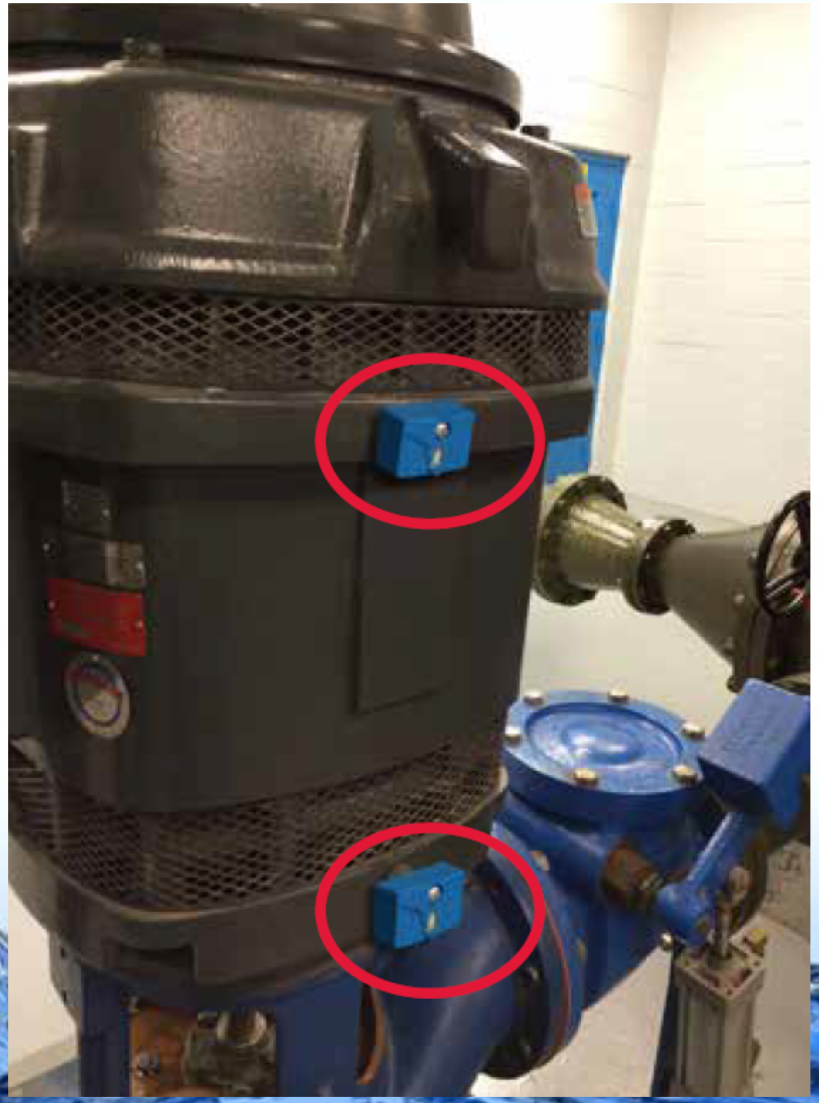
Advantages over conventional measurement



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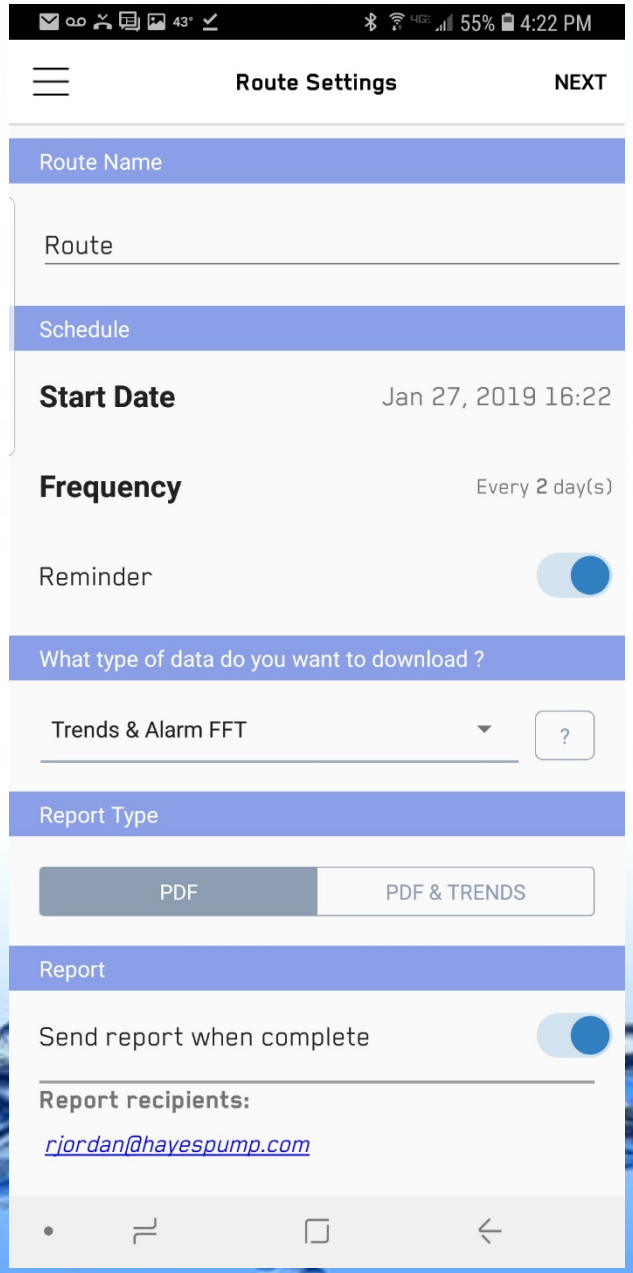
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Advantages over conventional measurement



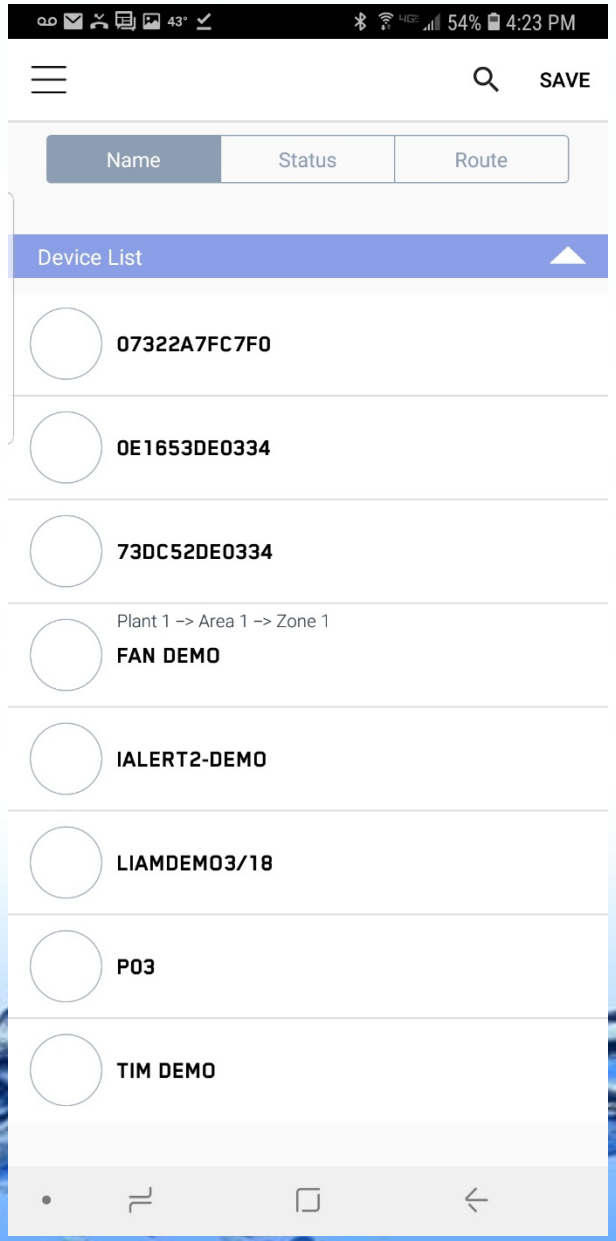
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Routes



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Routes



Portable Data Collector



i-ALERT2 monitoring

Status	Alarm	Equip. Name	Equip. Type		Radial	Horiz	Axial	Temp
!	Vib Warning,Last Alarm < 2 days	PD-110-078A	Pump	Value: Alarm:	0.07 0.20	0.07 0.20	0.12 0.15	73 129
✓	Last Alarm < 2 days	PD-110-076	Pump	Value: Alarm:	0.00 0.20	0.00 0.20	0.00 0.15	60 129
✓	Normal	PD-441	Pump	Value: Alarm:	0.00 0.20	0.00 0.20	0.00 0.15	64 131
✓	Normal	PD-440	Pump	Value: Alarm:	0.00 0.20	0.00 0.20	0.00 0.15	71 131
✓	Normal	PD-439	Pump	Value: Alarm:	0.00 0.20	0.00 0.20	0.00 0.15	73 131
✓	Normal	PD-438	Pump	Value: Alarm:	0.00 0.20	0.00 0.20	0.00 0.15	73 129
✓	Normal	PD-110-086B	Pump	Value: Alarm:	0.00 0.20	0.00 0.20	0.00 0.15	62 131
✓	Normal	PD-110-086A	Pump	Value: Alarm:	0.00 0.20	0.00 0.20	0.00 0.15	64 129
✓	Normal	PD-110-078B	Pump	Value: Alarm:	0.00 0.20	0.00 0.20	0.01 0.15	62 129
✓	Normal	PD-110-058B	Pump	Value: Alarm:	0.01 0.20	0.02 0.20	0.00 0.15	60 131
✓	Normal	PD-110-058A	Pump	Value: Alarm:	0.01 0.20	0.05 0.20	0.02 0.15	96 129
✓	Normal	PD-110-019B	Pump	Value: Alarm:	0.01 0.20	0.06 0.20	0.03 0.15	91 129

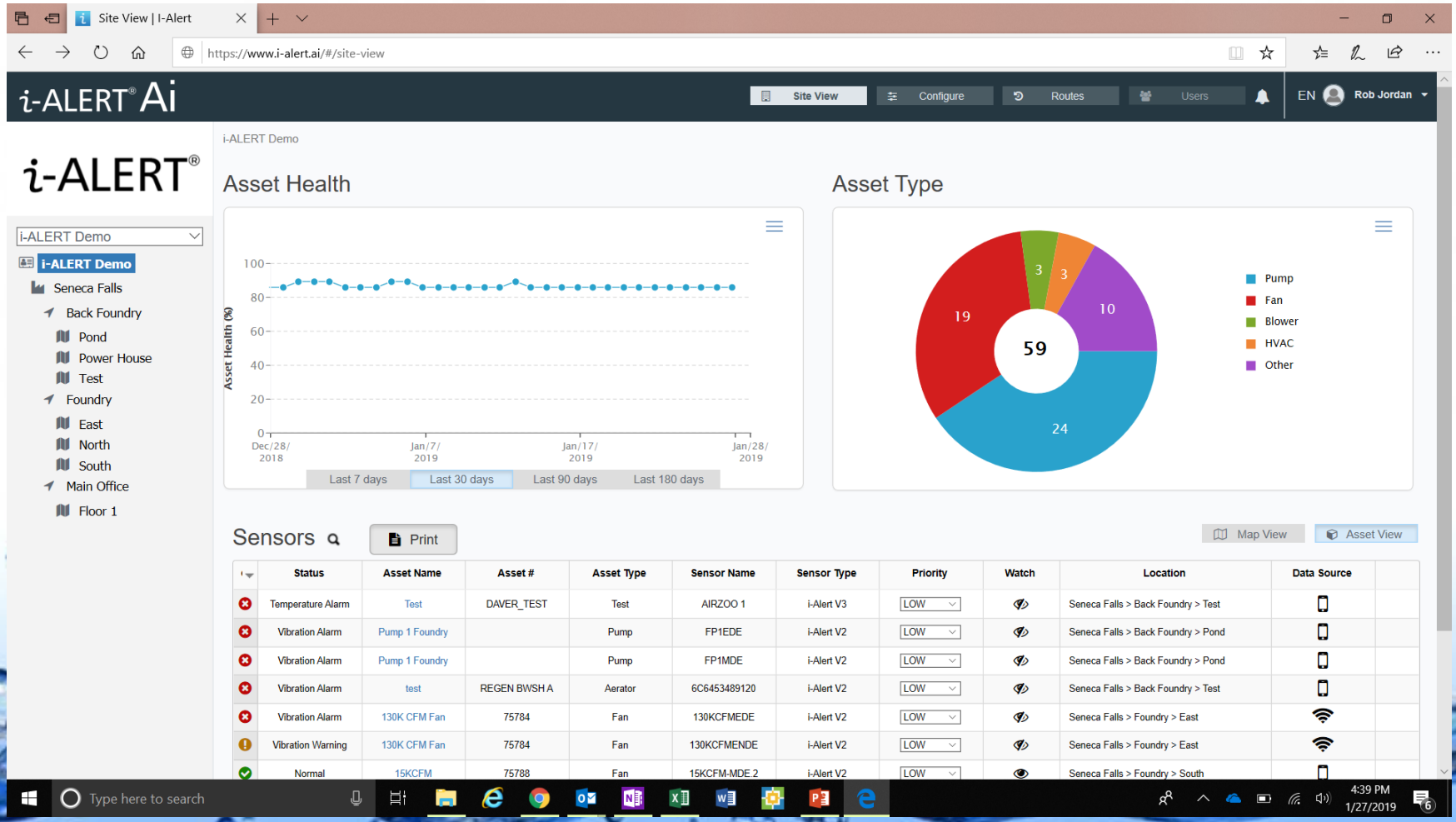
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Ai Platform

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Also available as a Pressure Transducer for Monitoring Fluid Pressure and Temperature



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Data Storage

- Trend readings every 2-60 mins
- FFT and Trend point on alarm
- 170 Days of hourly data points

