Vampire Bite Force Test
Load Button

Industry: Test and Measurement

Summary

Customer Challenge

In the heart of Transylvania, villagers whispered of a vampire that stalked the night with an otherworldly bite. The townspeople turned to science and wanted to measure the exact force of a vampire's bite. They believed they could design better defenses—whether stronger barricades, protective gear, or simply proof to rally outside help.

Interface Solution

The villagers used Interface's LBM Compression Load Button Load Cell, a compact yet rugged sensor capable of withstanding extreme forces. To avoid the dangers of trailing wires around a fanged attacker, the LBM was paired with the WTS-AM-1E Wireless Strain Bridge Transmitter Module, transmitting live bite force data. Using the WTS-BS-6 Wireless Telemetry Dongle Base Station and supplied Log100 software, readings could be monitored and recorded in real time, allowing the brave villagers to analyze the vampire's jaw strength from a secure distance.

Results

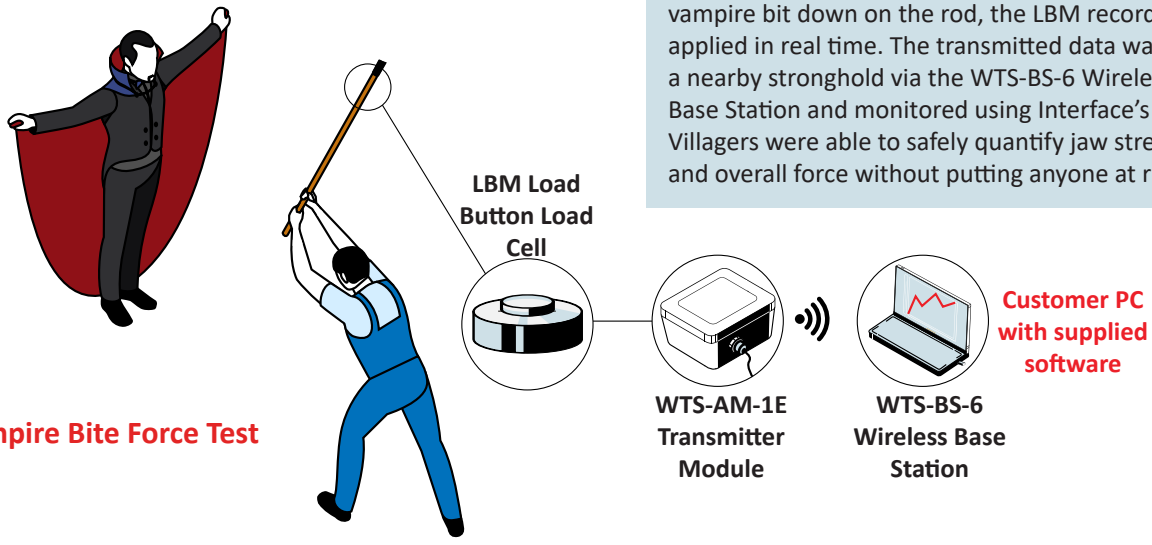
The wireless system proved to be both durable and precise, surviving the crushing force of the vampire's bite while delivering accurate measurements without fail. To the astonishment of the villagers, the recorded bite force exceeded 1,700 pounds—confirming the legends were not exaggerated. With this knowledge, they could finally design defenses strong enough to resist the nocturnal threat.

Materials

- LBM Compression Load Button Load Cell
- WTS-AM-1E Wireless Strain Bridge Transmitter Module
- WTS-BS-6 Wireless Telemetry Dongle Base Station with supplied Log100 software
- Customer PC or Laptop

How It Works

To measure the vampire's formidable bite safely, the LBM Compression Load Button Load Cell was mounted within a reinforced test rod—designed to withstand the fanged attack. The load cell was paired with the WTS-AM-1E Wireless Strain Bridge Transmitter Module, ensuring the villagers could capture data without approaching the dangerous creature. When the vampire bit down on the rod, the LBM recorded the force applied in real time. The transmitted data was sent wirelessly to a nearby stronghold via the WTS-BS-6 Wireless Telemetry Dongle Base Station and monitored using Interface's Log100 software. Villagers were able to safely quantify jaw strength, bite pressure, and overall force without putting anyone at risk.



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