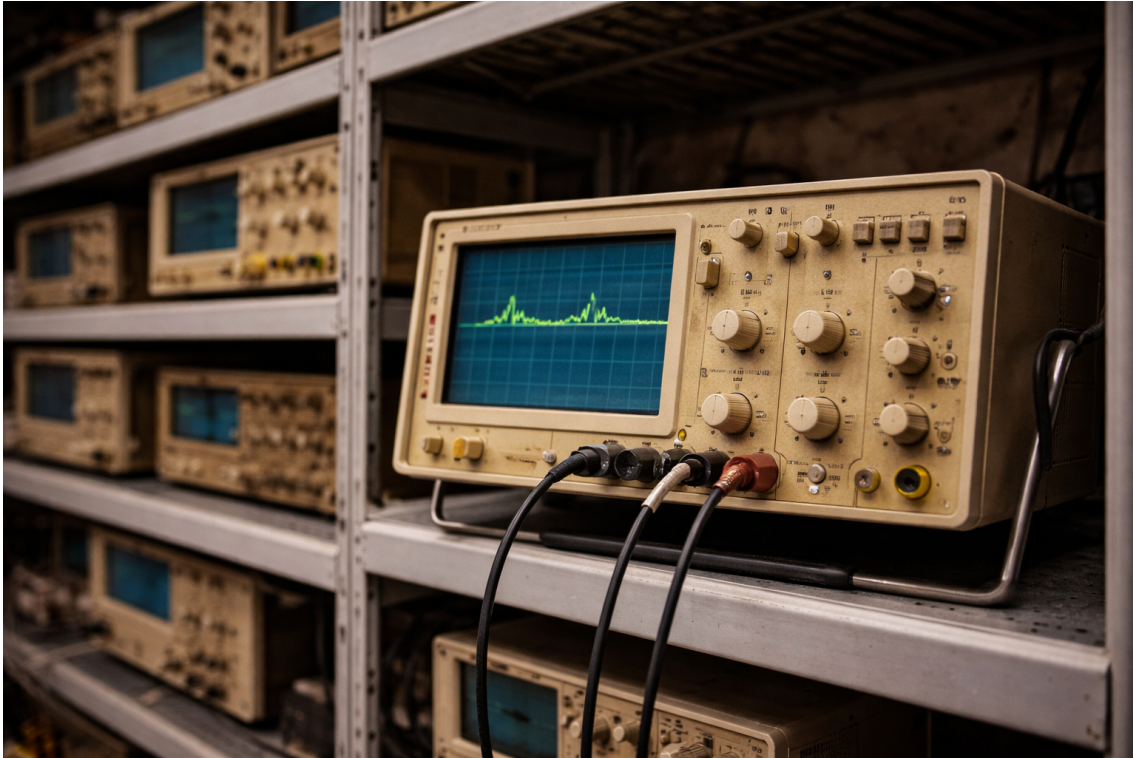




Oscilloscopes

Portsmouth Ghostbusters Interactive Profile



Oscilloscopes are precision electronic instruments used to visualise electrical signals over time. Within the Ghostbusters operation, they served as essential diagnostic and research tools, allowing technicians to observe, measure, and interpret the otherwise invisible behaviour of paranormal energy.

Purpose in Ghostbusters Research

Unlike many specialised Ghostbusters devices built specifically for ghost capture, oscilloscopes were standard scientific instruments adapted for paranormal research. They allowed the team to monitor fluctuations in power, frequency, and waveform stability across experimental and field-deployed equipment.

In a world where proton streams, containment fields, and psychomagnetic interference were daily concerns, understanding electrical behaviour was critical.

Monitoring Proton Pack Output

One of the primary uses of oscilloscopes within the Ghostbusters lab was analysing proton pack performance. Proton packs generate highly unstable particle streams powered by compact nuclear accelerators.

By connecting oscilloscopes to test points on the packs, technicians could:

- Measure proton stream frequency stability
- Detect power spikes before catastrophic failure
- Fine-tune energy output for safer operation

Irregular waveforms often indicated misalignment, damaged components, or early signs of overload.

Containment Field Diagnostics

Oscilloscopes were also invaluable for monitoring containment systems. Ghost traps, containment grids, and storage units relied on precise electromagnetic field control.

Engineers used oscilloscopes to:

- Confirm containment field oscillation rates
- Detect field instability caused by hostile entities
- Identify resonance patterns linked to containment breaches

A stable waveform meant a secure ghost. A distorted one often meant trouble.

Psychomagnetic Energy Analysis

As paranormal research advanced, oscilloscopes became essential for studying psychomagnetic energy – the emotional and psychological energy shown to influence ghost activity.

When connected to experimental sensors or mood slime monitoring equipment, oscilloscopes allowed researchers to visualise emotional energy spikes and correlate them with environmental events.

This was particularly important during periods of elevated citywide negativity, where subtle changes in signal behaviour could indicate escalating paranormal risk.

Multiple Units, Multiple Roles

The presence of multiple oscilloscopes within the Ghostbusters workspace suggests parallel research streams. Different units would often be configured for different tasks, rather than constantly reconfiguring a single instrument.

Typical roles included:

- Bench-mounted units for equipment repair and testing
- Dedicated containment monitoring scopes

- Experimental setups tied to prototype sensors

Each oscilloscope became part of a wider diagnostic ecosystem, quietly ensuring the rest of the equipment worked as intended.

Field Use and Portable Applications

While most oscilloscopes were lab-based, portable units could be used during field investigations or on-site diagnostics. These were especially useful after containment events or equipment damage.

Field readings allowed Ghostbusters to determine whether gear was safe to continue using or required immediate shutdown.

Why Oscilloscopes Matter

Oscilloscopes represent the scientific backbone of the Ghostbusters operation. While proton packs and traps capture ghosts, instruments like these ensure that the technology behind them remains stable and controllable.

They embody the team's core philosophy: paranormal threats are not just fought – they are studied, understood, and engineered against.

Current Status

- Classification: Scientific diagnostic equipment
- Primary role: Signal analysis and system stability
- Risk level: Low (operator dependent)

In a room full of blinking lights, humming power units, and experimental hardware, oscilloscopes quietly tell the truth. They show what the energy is really doing – even when the ghosts don't want anyone to know.



Portsmouth Ghostbusters

<https://portsmouthghostbusters.co.uk>

Andy Hornby - Founder

Steve Kerrin - Founder

Raising funds, busting ghosts, and spreading smiles.