

# *PIE 541 Frequency Calibrator with Totalizer*



The PIE Model 541 is the *best* tool available for calibrating, testing, and diagnosing turbine meters, frequency counters, vibration systems, tachometers, vortex shedders, integrators, and any other flow and frequency devices in the shop, plant or out in the field.

The Model 541 brings all the features you would expect from a frequency calibrator and timesaving new ones.

Save hours of troubleshooting time on problems when compared to other calibration methods. When Totalizing, the calibrator will automatically stop when the selected number of pulses has been sent, eliminating the need for a stop watch.

The PIE 541 comes with an LED indicator which flashes in Sync with the output frequency allowing easy adjustment of the attenuation for proper gate triggering.

## Features

### Frequency Read & Source Functions

- Accuracy  $\pm 0.005\%$  of range
- Source and Read
- Six Ranges 1 count per hour to 20.000Khz
- Calibrate Totalizer input and outputs from 1 to 99999
- Count Pulses 1 to 99999
- LED indicator for gate time

### Read Function

- Read a wide range of Frequencies and Waveforms
- Read 50mV to 120V peak
- Read signals from Flowmeter pickups, Velocity and Motion Detectors and Totalizers

### Source Function

- Sine and Square waves, Zero Based and Zero Crossing
- Frequency from 1CPH to 20 KHz
- Adjustable amplitude from 100mV to 12Volts peak-to-peak
- Simulates Vibration Pickups, Variable Speed Drives and more

### Calibrate Totalizers

- Output a number of pulses from 1 to 100 minutes

### Gate Trigger Indicator

- The LED flashes in synch with the output frequency allowing easy adjustment of the

### Full 5 Digit Display

- True  $\pm 0.005\%$  of range accuracy
- Bar graph for quick reference of trigger level and output levels, 5% of frequency range
- High contrast graphic display viewable in all lighting conditions and angles

### EZ-Dial Knob

- Change the speed of dialing your test point by just pushing down on the knob

### EZ-Check Switch

- Stop watch style push button for accurate totalizer measurements and or high and low readings

