

Troubleshooting Calix engine heater systems

When troubleshooting engine heaters or other equipment that is connected to the system, an ohmmeter (multimeter) is used. The approximate ohm values are set out in the table below and are dependent on the engine heater's output.

If measurement is not conducted directly on the engine heater, disconnect other equipment such as cab heaters, battery chargers or other devices connected to your Calix system. This is done to avoid incorrect measurement values as well as to confine troubleshooting to specific areas and to make troubleshooting more efficient.

Output (W)	Ohm value (Ω)	Normally installed on:
250	211	Smaller engines/oil heaters
300	176	Smaller engines/oil heaters
400	132	Contact heaters installed on exterior/oil sump
550	96	Hose & block heaters, passenger cars
650	81	Normally larger engines & vehicles
750	70	Tractors & construction vehicles
1100	48	Tractors, construction vehicles, buses & lorries
1500	35	Construction vehicles, buses & lorries

Tip: If the fuse blows when connecting the system and you do not have access to a multimeter, disconnect all devices that consume power (engine heaters, cab heaters, etc.). If the cable system is correct and free from faults, connect one device at a time to determine which one is defective and that thus must be replaced.

