The fuel quantity gauging system (FQGS) for the Boeing 717 aircraft is one of a family of current systems designed by Parker Electronic Systems Division specifically to meet the demanding requirements of the latest, enhanced-performance aircraft.

**System Overview**

The 717 FQGS provides fuel management and fuel gauging functions for up to five (5) fuel tanks.

The FQGS comprises:
- Fuel quantity probes
- Fuel quantity compensators
- Standard electronic module
- Load select and display unit

**System Features**

The FQGS encompasses two functional areas: fuel management and fuel quantity gauging.

The fuel management function provides:
- Advanced flight deck interface
- Automatic refuel with total fuel preselect
- Built-in test - Fault detection and annunciation

The fuel quantity gauging function provides:
- MIL-G-26988C Class II accuracy
- Factory trimmed, no adjust system
- Pin configurable for either lb or kg operation