

Product: Fuel Senders	Description Ohm Range Offset	Date May 23, 2017
Type: Reed Switch Type		

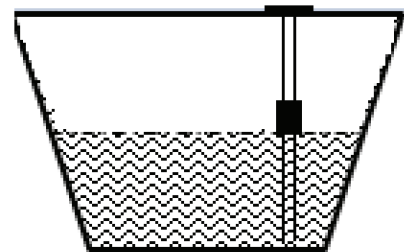
General Information

This bulletin will provide detail information on the ohm curve for VDO Reed Switch fuel senders

Overview

VDO Reed Switch fuel senders are designed to not provide a flat, linear ohm range across the full length of the sender. On most units, an offset has been designed in the lower half of the sender. This offset is to compensate for many marine fuel tanks that have proportionally less volume in the lower half of the tank than is found at the top half, allowing a more accurate reading on the fuel gauge.

When the fuel level of the tank is at ½ of its height, there is *less* than ½ the volume of fuel remaining. The offset is designed to accommodate this affect.



NOTE: Installation in cube or rectangle tanks can result in gauge readings that show ⅓ to ¼ less fuel than the actual fuel amount remaining (when the indicated level is showing less than half).

Sender Part Numbers with Ohm Values at Float Position

Sender Position	Gauge	226-615	226-618	226-620	226-623	226-625	226-627	226-630	226-633	226-635	226-640	226-645	226-660	226-666	226-680	226-690
Top (full)	32Ω	32	32	32	32	32	32	32	32	32	31	32	31	32	32	32
¾	67Ω	85	74	63	63	63	57	52	52	52	61	56	84	72	82	73
½	103Ω	138	117	94	95	127	106	111	132	126	114	127	137	135	145	137
¼	153Ω	190	160	157	189	213	205	171	199	201	180	187	209	199	197	193
Bottom (Empty)	240Ω	243	246	241	243	243	245	246	244	246	245	244	245	246	248	245