

## Compensated gravimetric fuel level sender

The output voltage is a linear function of hydrostatic pressure as follows:  $V = V_0 + L \times k \times |A| / |A_0|$ , in which

$V_0$   $0.5 \pm 0.1$  V offset

$L$  m H<sub>2</sub>O meters of water or units of 9.8 kPa or 1.42 psi equivalent pressure

$k$   $8.0 \pm 0.5$  coefficient

$|A|$  absolute value of the acceleration vector as actually measured

$|A_0|$  absolute value of the acceleration vector as was measured between 20 s and 30 s after power-up

The output voltage is limited to the range 0 – 5.0 V

