

FXT-35 - Electric capacity sensor simulator

Descriptions

Portable device Simulator FXT-35 is designed to simulate sensors that have the characteristics of electrical capacitance.

It is used to check the functioning and operability of fuel-measuring parts of onboard fuel-measuring and flow-measuring systems, with the disconnection of fuel meter sensors.

Main technical characteristics:

Parameter name	Values
Number of channels of code converters to capacity	6
Playback Ranges of channel capacity (limits of the allowed playback error)	from 30 to 150 pF (± 0.3 pF) 150 to 4000 pF ($\pm(0.002 \cdot C_x)$ pF)
Bit rate of the code Converter to the capacity	20
Step of changing the capacity	not more than 0.06 pF
Frequency range	10 kHz
Additional States of each channel	"Open" and "short circuit»

