

**ONBOARD
DIVISION**

Pressure Transmitters series 27, 86 & 93

Level Measurement in Ballast & Service Tanks, Multipurpose Pressure Measurement

27 series

86 series

93 series


Pressure transmitters series 27, 86 and 93 utilize the piezo-resistive pressure sensor. It is a fully active Wheatstone Bridge of resistors diffused in a crystal silicone chip.

The direct conversion of the pressure into an electrical signal is achieved by a minute deflection of sensor which changes the resistance of the bridge with the applied stress. Changes in pressure cause a corresponding change in the transmitter output in proportion to the bridge unbalance. A single electronic circuit supplies power to sensor and receives its signal providing conversion into a standard 4-20 mA DC. The circuit card contains the span and zero adjustments.

Technical Data

Measuring range	from -1 up to 1000 bar
Accuracy	<0.2% FS
Output	4÷20mA
I.S. approval	EEx ia IIC T6
Protection	IP67/IP68
Operating temperature	40°C ÷ +80°C
Material	AISI 316