

Fuji Electric Pressure Sensor

- **Low Pressure Sensor (6 ~ 400kPa)**

for BPS, MAP, Fuel Tank Pressure Sensor, Clogging detection, EGR, DPF, Barometric in ECU

- **High Pressure Sensor (1.0 ~ 10MPa)**

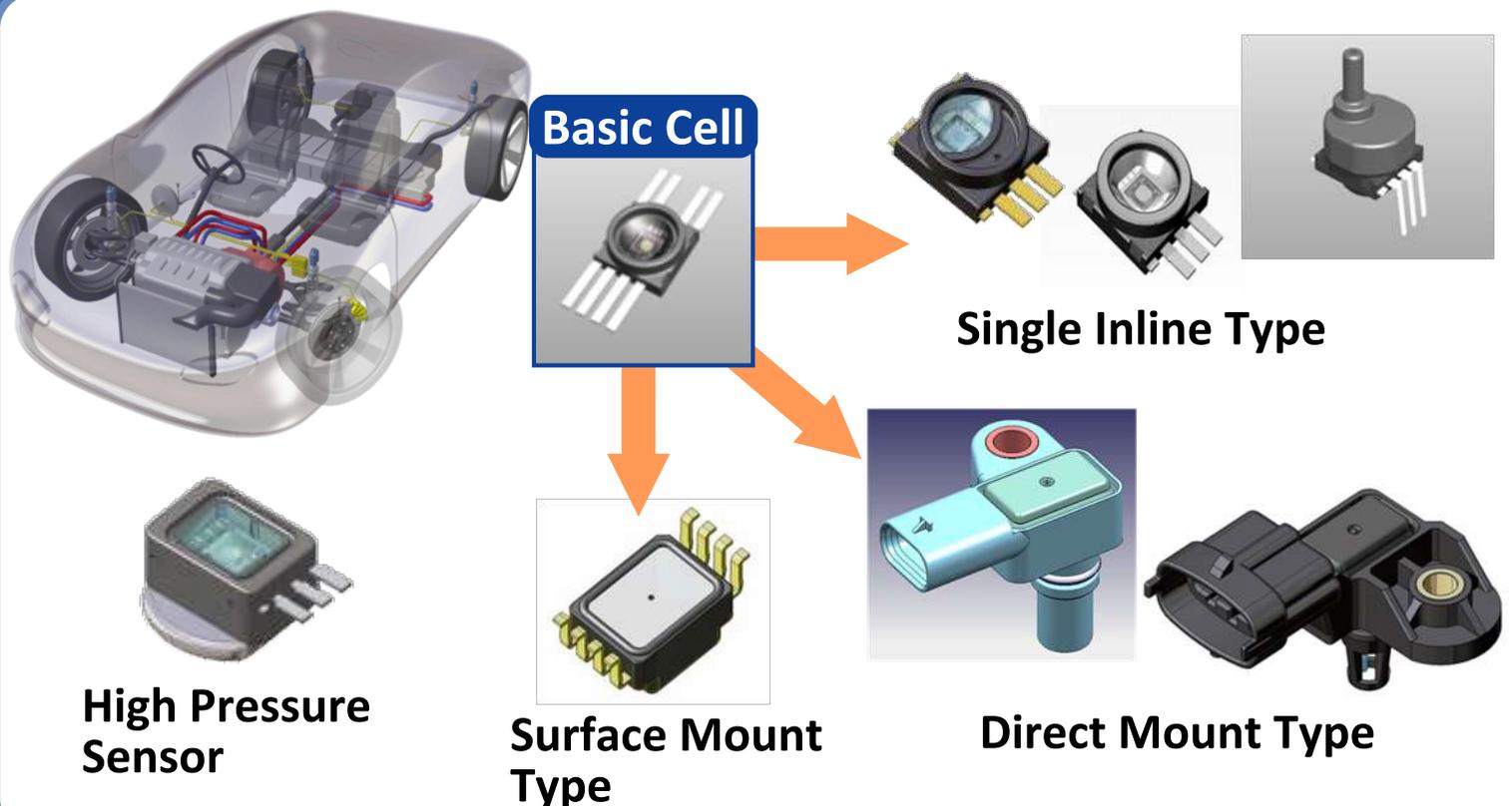
for Engine Oil, APS, Variable Valve Oil, Air Conditioner, Power Steering, Break Oil, Transmission, Suspension

- **All in one chip solution**

High accuracy, High quality, High reliability

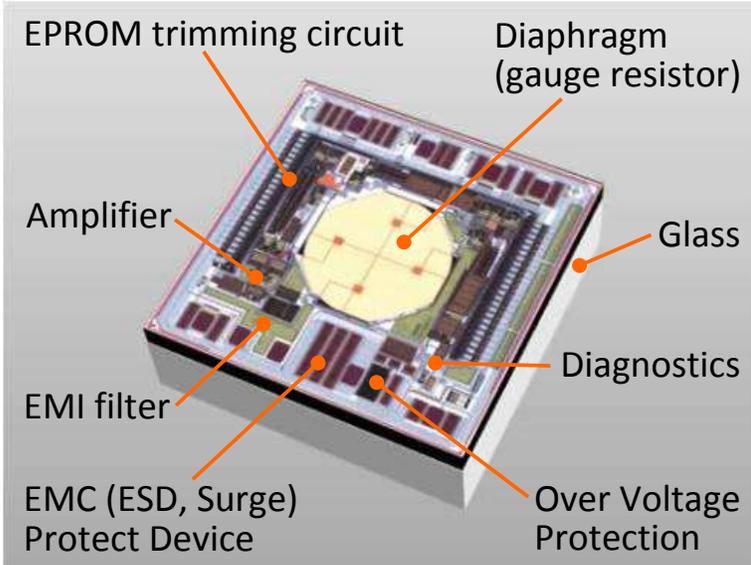
- **Variable Package**

Basic Pressure Cell, Single Inline, Surface Mount, Direct mount, Direct Mount with thermistor



"All in one chip solution"

Wheat Stone Bridge of 4 Piezo Resistors, High Precision Amplifier, Digital Trimming Circuit, EMC Protect Circuit (EMI, ESD, Surge ISO7637), Diagnostics Circuit



High Accuracy

Advanced Diaphragm Etching Technology
EPROM Digital Trimming Technology

High Quality

Advanced Diaphragm Etching Technology
Wafer Anodic Bonding Technology
Special IC design rule for Automotive
EPROM Redundancy Circuit
Diagnostics Circuit

	PKG	Application	Type Name	Pressure Range (kPa.abs)	Operating Temperature (°C.abs)	Output Voltage Range (V)	
Low Pressure	Housing type with thermistor	T-MAP	EPX255	10 ~ 120	-40 ~ 125	0.5 ~ 4.5	
	Housing type	MAP/Direct Clogging AFB	EPL4PC-R3S	20 ~ 106.7	-40 ~ 125	0.798 ~ 4.211	
	Cell type	MAP/TURBO	EPL68C-N3S	25.4 ~ 241.9	-30 ~ 130	0.5 ~ 4.5	
	Cell type	MAP/TURBO	EPL69C-N3S	32.55 ~ 284	-30 ~ 130	0.5 ~ 4.5	
	Cell type	MAP	EPL4BC-N3S	20 ~ 106.7	-30 ~ 130	0.798 ~ 4.211	
	Cell type	MAP	EPL77C-N3S	50 ~ 400	-30 ~ 130	0.5 ~ 4.5	
	Cell type w/ pipe	MAP	EP9443-P3S	13.3 ~ 120	-30 ~ 100	0.50 ~ 3.41	
	Cell type	FTPS	EPL108-N3A	-6.67 ~ 6.67 (kPa.gauge)	-30 ~ 100	0.5 ~ 4.5	
	SMD type	Barometric	EPL4KB	60 ~ 106.7	-30 ~ 90	1.773 ~ 3.045	
High Pressure	Cell type	Transmission Engine Oil Air Conditioner	EPH230	0 ~ 3.5 (MPa.gauge)	-40 ~ 120	0.5 ~ 4.5	

FE Fuji Electric

www.americas.fujielectric.com