

Merit Sensor owns and operates a MEMS wafer fab, which enables the production of customized piezoresistive pressure sensors for medical, industrial, and automotive applications. We help customers get to market quickly with creative and flexible solutions and provide prompt, personal, and professional support.



MERIT SENSOR™



1600 West Merit Parkway
South Jordan UT 84095
USA

Sales +1 801 208 4722
Customer Service +1 801 208 4700
Fax +1 801 208 4798
Email sensors@merit.com
www.meritsensor.com



MERIT SENSOR™

Merit Sensor is a subsidiary of Merit Medical Systems, Inc.

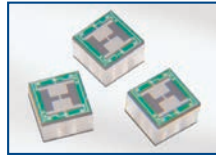


MEMS PRESSURE SENSOR
SOLUTIONS

MEMS SENSING ELEMENTS

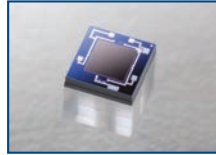
L Series

psi	0.15–1
mbar	10.3–68.9
kPa	1–6.9
size (mm)	3.3 x 3.3



J Series

psi	1–300
bar	0.07–21
kPa	7–2,100
size (mm)	1.95 x 1.95



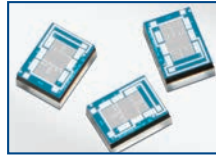
D Series

psi	15–300
bar	1–20.7
kPa	103–2,068
size (mm)	1.42 x 1.42



7000 Series

psi	15–500
bar	1–34.5
kPa	103–3,447
size (mm)	2.2 x 1.6



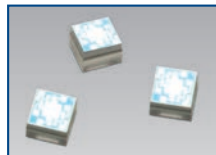
HM Series

psi	15–500
bar	1–34.5
kPa	103–3,447
size (mm)	2.08 x 2.08



K Series

psi	1,000–10,000
bar	68.9–690
kPa	6,895–68,948
size (mm)	1.4 x 1.4



CUSTOM ASSEMBLIES

MSS 100

wet, harsh media

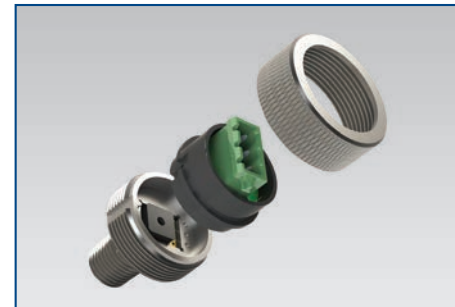
psi	15–100
bar	1–6.9
kPa	103.4–689.5
temp (°C)	10–50



EVALUATION KITS

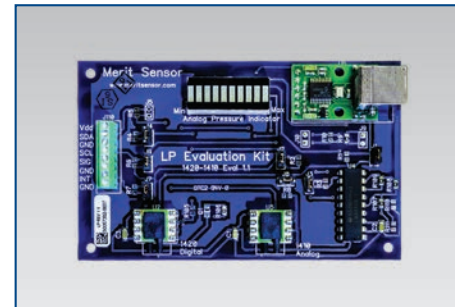
MeriTREK

TR Series evaluation kit



MULPEK

LP Series evaluation kit



PASSIVE COMPENSATED PACKAGES

BP Series

blood pressure

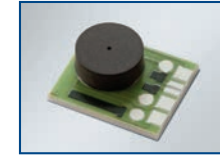
mmHg	-30–300
psi	-0.58–5.8
mbar	-40–400
kPa	-4–40
size (mm)	10.5 x 8.1
temp (°C)	15–40



AP Series

laser-trimmed output

psi	-15–300
bar	-1–20.7
kPa	-103–2,068
size (mm)	12.45 x 14.73
temp (°C)	10–40

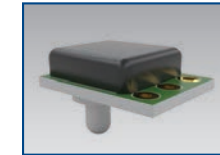


COMPENSATED PACKAGES

TVC Series

wet, harsh media

psi	15–300
bar	1–21
kPa	103–2,068
size (mm)	10.4 x 13.8
temp (°C)	-40–150



TR Series

wet, harsh media

psi	15–500
bar	1–34.5
kPa	103–3,447
size (mm)	10.16 x 12.7
temp (°C)	-40–150



LP Series

ultra-low pressure

psi	0.15–1
mbar	10.3–68.9
kPa	1–6.9
inH ₂ O	4.2–27.7
size (mm)	10.2 x 13.3
temp (°C)	-40–85



UNCOMPENSATED PACKAGES

SMD & MS Series

surface mountable

psi	5–500
bar	0.34–34.5
kPa	34.5–3,447
size (mm)	7.6 x 7.6 (SMD)
size (mm)	6.4 x 6.4 (MS)
temp (°C)	-40–85



PMD Series

thru-hole mountable

psi	5–50
bar	0.34–3.5
kPa	34.5–345
size (mm)	8.1 x 7.6
temp (°C)	-40–85



RPD Series

polycarbonate port

psi	0–500
bar	0–34.5
kPa	0–3,447
size (mm)	8.9 x 7.6
temp (°C)	-40–85



Merit Sensor offers MEMS pressure sensors from 0 to 15,000 psi in absolute, differential, gage, and vacuum configurations. All products are RoHS compliant and AEC-Q100 certified. Merit Sensor is ISO9001 certified.

