

CLAIMS

What is claimed is:

1. A gasket comprising:
 - a substantially annular core having an inner circumferential face and an outer circumferential face; and
 - a sensor element configured for engagement with said outer circumferential face.
2. The gasket of claim 1 further comprising a mounting groove formed into said outer circumferential face, wherein said sensor element is disposed with said mounting groove.
3. The gasket of claim 2 wherein said sensor element comprises at least one sensor and at least one mounting strip, wherein said at least one sensor is coupled to said at least one mounting strip.
4. The gasket of claim 3 wherein said mounting strip is composed of a conductive material.
5. The gasket of claim 4 wherein said sensor element is further configured for wireless transmission of sensor data.
6. The gasket of claim 5 further comprising an outer guide ring positioned radially outward relative said outer circumferential face.