



THE ADVANTAGES OF TERWIN 2000 SERIES

EXTRUSION PRESSURE / TEMPERATURE TRANSDUCERS

- The Terwin 2000 Series is constructed throughout from stainless steel and do not contain any toxic products such as mercury or sodium-potassium. This enables us to apply our transducers in the production of food, film and pharmaceutical products.
- Our unique twin tube system overcomes the problems of temperature drift, which has been associated with old force rod type transducers and our temperature characteristics are equal to or better than transducers that employ mercury columns.
- We offer four different stem lengths in the 2000 series transducers, to suit all sizes of extruders i.e., 3.65", 6.0", 9.0" and 12.0".
- Our Di-Hard™ Diaphragm is both abrasion and corrosion resistant and suitable for temperatures up to 842°F/450° C. It is also at least 4 times thicker than most competitor diaphragms.
- Our strain gauge assembly (electrical termination head) is rated to 392°F/200°C. Most competitive transducers have a head that is suitable for only 250°F/121°C and this is the reason why our competitors offer transducers with flexible stems, enabling the head to be mounted away from the heat. However, flexible stems with mercury or sodium-potassium fill material are certainly not desirable and if damaged, can render the transducer useless.
- All pressure transducers are available with type 'J' I/C or type 'K' C/A thermocouples for dual pressure and temperature measurement. Also, we can provide at no additional cost, transducers that are calibrated in other units such as kg/cm², bar or Pascals etc.
- We offer extrusion pressure ranges from 0 - 500 psi through 0 - 30,000 psi.
- Our standard accuracy is within 0.5% of the full range (typically within 0.25% of full range).
- The 2000 series pressure transducers are mechanically and electrically interchangeable with most other competitive products. In most cases it is not necessary to change the cable assembly or the process indicator/controller. If you inform us of a competitive product part number, we will be pleased to quote for a Terwin equivalent transducer.
- Our transducers are both CE approved and calibrated to National Standards.

Terwin Instruments Ltd



**Manufacturers Of Industrial Pressure / Temperature
Sensors & Instrumentation**