

MELT PRESSURE / TEMPERATURE TRANSDUCERS

Gneuss melt pressure transducers operate on the proven principle of strain gauge technology. The pressure is transferred from the measuring membrane (sitting flush with the melt channel) via a capillary system to a second membrane. The capillary system is filled either with mercury or with a mercury-free medium. The second diaphragm is fitted with a strain gauge using the linear change in resistance in relation to deflection whereby an electric output signal is provided.



STANDARD FEATURES

- Special membrane technology guarantees long life
- Anti-adhesion coating avoids damage caused by frozen plastic melts (Hastelloy C)
- Heated tip transducers available on request
- Indestructible protective sleeve offers maximum capillary protection
- Removable amplifier head
- Standard output signals, including V and mA
- Combined melt pressure / temperature sensors (Type J, K or Pt100)
- Standard accuracies (0,25 or 0,50%)
- Process connections (1/2" 20 UNF, M16, M18)
- Complete range of accessories, viz. insert bushes, bush fitting and bore cleaning tools, blanking plugs, indicators (pressure and temperature) and connector plugs and cable.

