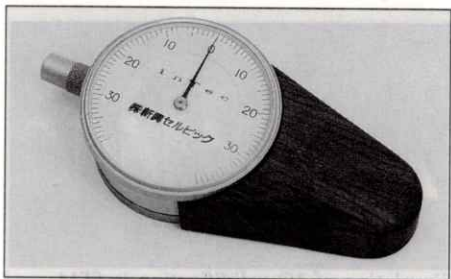


92-06-005-06

Injection Pressure Check Meter

Shinko Sellbic Co., Ltd. has developed an optimum injection pressure check meter PL Gauge inTec for checking the opening of the parting line (PL) of the molds and controlling the injection pressure for clamping the molds. Resin does not ooze out from the mold opening, and only gas in the cavity or resin is purged, so mold clamping, previously requiring experienced workers, can now be performed with ease.

In general, opening the mould by 5-30 μm enables the gas to be purged without resin flowout. With the new meter, a display unit is installed along the mold line,



PL Gauge inTec check meter

and an interlocked terminal on the fixed side, so the opening can be measured in units of 10 μm when molding. Since it is possible to detect the proper opening, mold clamping can be performed at minimum pressure.

A skilled technician was necessary for accurate mold clamping, and technology transfer was difficult since human experience was involved. More recently, the serious lack of technicians has aggravated the situation. Using the new check meter enhances efficiency, and prolongs the service lives of molds. In addition, power consumption is suppressed, the warping of moldings eliminated, and the resistance of resin flow into molds due to gas pressure decreased.

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