

INTERCHANGEABLE PROCESS CONNECTION

RESISTANT TO INSTALLATION ERRORS

ABSTRACT OF THE DISCLOSURE

An assembly for aligning and supporting an adapter flange (15) for connecting fluid pressures to a pressure sensor body (11) in place on the body (11) and to keep the flange (15) in an unsealed condition to prevent pressurizing the body and flange until installation of permanent fasteners. The support fasteners (30) retain the flange (15) spaced from the body (11) sufficiently so that the flange (15) will not seal. This will prevent accidentally pressurizing the flange (15) and pressure sensor body (11) until permanent fasteners have been installed. The body (11) and flange (15) are shipped with at least one extra set of permanent fasteners (46,50) different in length from the fasteners (23) used on the flange (15) to permit adding adapters (47) for a process connection. When a different thickness adapter (47) is used for process connection, only the correct length fasteners will be capable of being threaded into the threaded openings and also seal the flange or adapter. Figure 5

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