

PRIASED® System

- Automatic sensor and sensitivity detection
- Hardware code integrated within the sensor
- Impossible to mix up sensors
- Robust and temperature-resistant solution
- Intelligent signal evaluation by PRIAMUS charge amplifier
- Signal output directly in pressure units (bar, psi, etc.)
- Provides the highest resolution of the measuring signal
- Just plug and measure

Description

PRIASED® stands for „PRIAMUS SENSITIVITY DETECTION“. The PRIASED® system is a concept for automatic recognition of piezoelectric sensors and their sensitivities. *

A hardware code inside the sensor itself is scanned and interpreted by the electronics of the PRIAMUS® charge amplifier. Unlike alternative methods such as saving the sensitivity within a chip this technique provides the following essential benefits:

- Since the code is located within the sensor itself (and not inside the connection cable or connector) this information cannot be mistaken for something else. A memory chip inside the connection cable or the connector could be accidentally interchanged, which might result in a mold crash.
- The hardware code inside the sensor is robust and temperature-resistant, whereas the temperature resistance of a memory chip is very limited. If the chip is heated, which can typically be expected while it is used with the injection molding machine, it loses its memory contents. This might - if the worst comes to the worst - result in another mold crash.

The electronics evaluates the measuring signal depending on the measured sensitivity, and it selects one of max. 8 charge ranges (auto-ranging). This enables you to always use the best-possible signal resolution without worrying about sensor-specific settings such as sensitivity inputs.

* Patent pending

