# Fluid pressure sensor with luer-lock connections for medical applications

The **flowplus$^{16}$** is a high precision fluid pressure monitor device (up to 16 bar) designed from concept to exactly fit medical device criteria by including the standardised Luer-Lock connector system and internally, a void free flow channel coated with a virtually inert FDA compliant elastomer.

In particular, the universal single size Luer-Lock system enables equipment manufacturers to combine almost all related devices with each other. This means that the **flowplus$^{16}$** may be instantly connected to syringes, drain tubes, infusion tubes, catheters, injection needle and similar, enabling any pressure fluctuations to be identified at an early stage, e.g. needle clogging, micro-bubbles in the fluid or variable pressure feed. The ISO 594 standardised Luer-Lock system features a 6° cone with 180° twist lock and has been selected by medical bodies throughout the world to facilitate rapid and reliable equipment interconnectivity.

Safety is thus greatly enhanced since the **flowplus$^{16}$** can be quickly fitted with confidence, to provide feedback into monitoring and/or control systems, while operating with flows of up to 100ml/min at pressures of 0-16 bar and between 15°C to 45°C.

Consequently, when medical processes must be controlled or monitored, e.g. in the continuous conveying of liquids, then the **flowplus$^{16}$** is easy to fit and being pre-calibrated it is exceptionally easy to use. Pressure evaluation up to 16 bar is possible with a high degree of precision via a standardised 0.1 to 10 VDC output signal. This makes the **flowplus$^{16}$** a simple “fit-and-rely-on” item for monitoring process safety parameters.

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