Parker SensoControl SCP07-Sensor ensures increased safety in mobile and industry hydraulics

April 2017 – Parker Hannifin, the leading global manufacturer in drive and control technology, presents the new SCP07 pressure sensor. This product was specifically developed for use in safety-related fields.

An incorrect hydraulic system pressure signal in the fields of crane systems, lifting systems, tire presses or stage engineering can lead to serious accidents. With the Parker SensoControl SCP07, the pressure conditions in hydraulic systems are monitored in a functionally safe way and irregularities are detected immediately.

The SCP07 Sensor can be used for applications that conform to Performance Level d in accordance with EN ISO13849 or SIL2 pursuant to IEC 61508. The new sensor records the signals from the measuring cell and converts the pressure into two 4-20 mA output signals that are separate from one another and inverting. The safety-compliant control unit can then monitor the safety-related functionality and the electric connectivity of the SCP07.

The SCP Sensor is suitable for use in pressure ranges up to 600 bar and is equipped with a G1/4 thread in accordance with DIN 3852-11 (E). Thanks to its compact design, the sensor lends itself particularly to use in circumstances where installation or assembly is constricted. In addition, the scope of applications possible with the SCP07 is enhanced by its broad temperature range from -40 to 125 °C and its long-term stability.