

PRESSURE TRANSDUCER "Y11 4745-***"

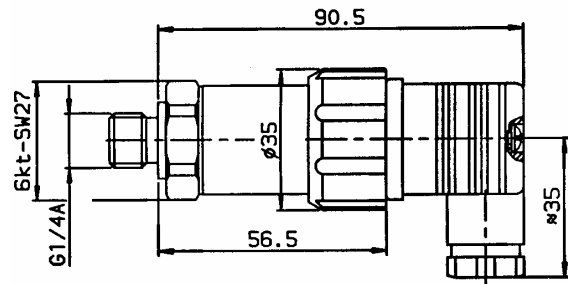
Pressure transducers detect the pressure into boom lifting cylinders; typically 2 sensors are required for measuring the differential pressure on lifting cylinders : they must be installed on the two cylinder chambers.

By these values, weight computing is taken.

These sensing devices detect the pressure by means of a sensor, which transforms the measured pressure into a direct voltage proportional to the pressure itself.

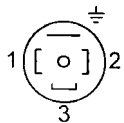
An on-board amplifier is included in the transducer itself.

Any possible replacement of these elements is very easy because of their are complete compatibility.



TECHNICAL SPECIFICATIONS

PIN CONNECTIONS



PIN	3 Wires
1	+VB
2	output signal 0,5 .. 5,5 V
3	GND

INPUT DATA

•Measuring ranges	200, 300, 350 bar
•Overload ranges	400, 800, 800 bar
•Max pressures	1000, 2000, 2000 bar
•Parts in contact with oil	Stainless steel ; Viton seal

OUTPUT DATA

•Output Signal	0,5 ... 5,5V
•Temperature compensation	Max $\leq 0,15\%/10K$ Typ. $\leq 0,08\%/10K$
•Accuracy	Max $\leq 0,3\%FS$ Typ. $\leq 0,1\%FS$
•Hysteresis	Max $\leq 0,1\%FS$ Typ. $\leq 0,05\%FS$
•Repeatability	$\leq 0,05\%FS$

ENVIRONMENTAL CONDITIONS

•Nominal temperature range	-25 ... +85°C
•Operating temperature range	-40 ... +85°C
•Storage temperature range	-40 ... +100°C
•Fluid temperature range	-40 ... +100°C
•Protection class	IP65

OTHER DATA

•Supply voltage	0 - 12 ... 30V
•Current consumption	ca. 15mA
•Life expectancy	10 ⁶ load cycle
•Weight	145g.