

Precision Pressure Transducer II (PPT2) Models PPT2- xxxxxxxxVx-x-Nxxx CE Conformity Supplement

CE CONFORMITY: This product is in conformity with the protection requirements of the following European EMC Directive: 2004/108/EC (consolidated 89/336/EEC).

Directive/Standard	PC	Conformity	Notes
ELECTROMAGNETIC COMPATIBILITY: 2004/108/EC			
BS EN 61326-1:2006 , Electrical Equipment for Measurement, Control and Laboratory Use, EMC Requirements			1
EMISSIONS			
EN 55011: 2007 + A2: 2007 (CISPR 11:2003/A2:2006) Group 1, Class A FCC Class A		RADIATED , Enclosure 30 – 230 MHz, 40 dB(μV/m) at 10m 230 – 1000 MHz, 47 dB(μV/m) at 10m CONDUCTED , AC Mains (120VAC, 60 Hz) 0.15 – 0.50 MHz, 79 dB(μV) quasi-peak, 66 dB(μV) average 0.05 to 5 MHz, 73 dB(μV) quasi-peak, 60 dB(μV) average 5 to 30 MHz, 73 dB(μV) quasi-peak, 60 dB(μV) average	
IMMUNITY (EN 61326-1:2006, Table 2)			
ENCLOSURE PORT EN 61000-4-2 , Electrostatic Discharge (ESD) EN 61000-4-3 , EM Field EN 61000-4-8 , Magnetic Field	B A A	4 kV contact 10 V/m (80 MHz – 1 GHz) 3 V/m (1.4 GHz to 2 GHz) 1 V/m (2 GHz to 2.7 GHz) 30 A/m	2
AC POWER PORT		N/A	3
DC POWER PORT EN 61000-4-4 , Burst EN 61000-4-5 , Surge	B B	2 kV (5/50 ns, 5 kHz) 1 kV (line to line)	4

		2 kV (line to ground)	
EN 61000-4-6 , Conducted RF	A	3 V (150 kHz to 80 MHz)	
I/O SIGNAL/CONTROL PORT EN 61000-4-4 , Burst	B	1 kV (5/50 ns, 5 kHz)	4
EN 61000-4-5 , Surge	B	1 kV (line to line)	
EN 61000-4-6 , Conducted RF	A	3 V (150 kHz to 80 MHz)	
I/O SIGNAL/CONTROL PORT (connected directly to power supply network)		N/A	5

NOTES:

PC = Performance Criteria

A = "During testing, normal performance within the specification limits."

B = "During testing, temporary degradation, or loss of function or performance which is self-recovering"

- Where applicable, all emissions and immunity testing performed with shielded, twisted-pair cabling with 360° shield termination at the mating connector backshell.
- PPT2 actually tested/passed at 6 V/m from 1.4 GHz to 2 GHz.
PPT2 also tested/passed DO-160F Radiated Susceptibility:
20 V/m (100 MHz – 400 MHz)
150 V/m (400 MHz – 8 GHz)
- Not Applicable, PPT2 requires 6 – 34VDC only.
- Surge applied per section 7.6 of EN 61000-4-5 (shielded lines)
PPT2 also tested/passed DO-160F Conducted Susceptibility, 10 kHz – 400 MHz, Category R levels.
- Not Applicable, no PPT2 signal/control ports are connected directly to supply network.