



H O N E Y W E L L

SOLID STATE ELECTRONICS CENTER
MINNEAPOLIS, MINNESOTA 55441

**SUPPLIER DRAWING (SD)
SPECIFICATION**

Federal Cage Code No.	22025873
3 4 1 6 8	

TITLE: HPA/B 232/485, CE SUPPLEMENT, EN 61326-1

PREPARED BY G. Monzo		DATE 10/6/02		ORIGINATOR	
APPROVED BY T. Stratton		DATE 10-07-02		APPROVED BY B. Buck	
ENGINEERING AREA APPROVER		AFFECTED AREA APPROVER		APPROVED BY L. Chamas	
		DATE 10-07-02		DATE 10-07-02	
				SUPPLIER REVIEW BORAD APPROVAL	
REV. LTR.	CHANGE DESCRIPTION, SHEETS REVISED	ECN NUMBER	ENGINEER IN CHARGE	EFFECTIVITY DATE	
Rev. -	Initial Release	02-1363	G. Monzo/kas	10-11-02	

Template Rev. Date: 7-30-99

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Precision Barometer (HPA/B)
Models HPxxxxx2DB-x-Hxxx
Models HPxxxxx5DB-x-Hxxx
CE Conformity Supplement
22025873, Revision A, October 2002

CE CONFORMITY: This product is in conformity with the protection requirements of the following European Council Directive: **89/336/EEC**, the EMC Directive. Conformity of this product with any other “CE Mark” Directive(s) shall not be assumed.

Directive/Standard	PC	Conformity	Notes
ELECTROMAGNETIC COMPATIBILITY: 89/336/EEC, as amended by 92/31/EEC, 93/68/EEC and 98/13/EEC			
EN 61326:1997, A1:1998 , Electrical Equipment for Measurement, Control and Laboratory Use, EMC Requirements			1
EMISSIONS			
CISPR 16-1: 1987 , CISPR Specification for radio interference measuring apparatus and measurement methods – Part 1: Radio disturbance and immunity measuring apparatus. CISPR 16-2: 1993 , CISPR Specification for radio interference measuring apparatus and measurement methods – Part 2: Methods of measurement of disturbances and immunity.		Mains 0.15 to 0.50 MHz, 66 dB (μV) to 56 dB (μV), quasi peak, 56 dB (μV) to 46 dB (μV) average. Limits decrease linearly with log of frequency 0.50 to 5 MHz, 56 dB (μV) quasi peak, 46 dB (μV) average 5 to 30 MHz, 60 dB (μV) quasi peak, 50 dB (μV) average. Enclosure 30 to 230 MHz, 30 dB(μV/m) at 10m 230 to 1000 MHz, 37 dB(μV/m) at 10m,	
IMMUNITY			
EN 61000-4-2: 1995 , Part 4: Testing and measurement techniques – Section 2: Electrostatic discharge immunity test – Basic EMC publication	B	4 kV Contact	
EN 61000-4-3: 1996 , Section 3: Radiated, radio-frequency, electromagnetic field immunity test.	A	3 V/m, 80 to 1000 MHz, 80% amplitude modulated, 1 kHz	2
EN 61000-4-4: 1995 , Section 4: Electrical fast transient/burst immunity test .	B	1 kV DC power ports 0.5 kV I/O signal/control ports 5/50 Tr/Th ns, 5 kHz rep frequency	
EN 61000-4-5: 1995 , Section 5: Surge immunity test	B	0.5 kV DC power ports (line-to-line) 1 kV DC power ports (line-to-earth) 1 kV I/O signal/control ports (line-to-earth)	

NOTES:

PC = Performance Criteria

- Shielded twisted pair cabling, with 360° shield termination at connector backshell, required for conformance to the EMC directive.
- Typical EMI-related digital and analog shifts of less than 0.01% of Full Scale Reading. Maximum digital and analog shifts of 0.1% of Full Scale Reading, dependent upon factory and/or user range-down of the sensor.

EMISSIONS: This equipment complies with the emission limits for Class B equipment as per the following reference standards found in EN 61326-1: 1997, Table 4 – *Emission limits for Class B equipment*.

- CISPR 16-1: 1987, CISPR Specification for radio interference measuring apparatus and measurement methods – Part 1: Radio disturbance and immunity measuring apparatus and CISPR 16-2: 1993,
- CISPR Specification for radio interference measuring apparatus and measurement methods – Part 2: Methods of measurement of disturbances and immunity

IMMUNITY: This equipment has been tested and found to comply with the limits as specified in the above table.

Performance Criteria: Immunity includes the tests and severity levels specified in EN 61326-1: 1997, Table 1 – *Minimum immunity test requirements*. This equipment was evaluated for “Continuous Unmonitored Operation” as specified in EN 61326-1: 1997, Table 2 – *Example of evaluation of immunity test results*. The following is a functional description and definition of product performance, during or as a consequence of the EMC testing:

Performance Criterion A

- (EN 61000-4-3: 1996, RF Immunity): During testing, normal performance within the specification limits.

Performance Criterion B

- (EN 61000-4-2: 1995, EN 61000-4-4: 1995, EN 61000-4-5: 1995, ESD, Transients & Surge): During testing, temporary degradation, or loss of function or performance which is self-recovering.