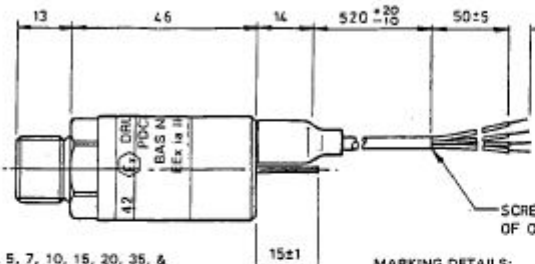


SHT. 1 OF 1 SHTS.

**BASEEFA CERTIFIED PRODUCT
NO MODIFICATION PERMITTED
WITHOUT THE APPROVAL OF
THE CERTIFICATION ENGINEER**

NOTES



ELECTRICAL CONNECTIONS:

RED SUPPLY POSITIVE
BLUE SUPPLY NEGATIVE
YELLOW OUTPUT POSITIVE
GREEN OUTPUT NEGATIVE
SCREEN NOT CONNECTED TO TRANSDUCER BODY

SPECIFICATION PCR 921 - 1742

PRESSURE RANGE: ±350 mbar, ±600 mbar, ±700 mbar, ±1, 1.5, 2, 3.5, 5, 7, 10, 15, 20, 35, & 60 barg

OVERPRESSURE: 4 X PRESSURE RANGE (6 X FOR 350 mbar RANGE)
PRESSURE CONTAINMENT: 6 X RATED PRESSURE RANGE (200 bar MAX)

MEDIA COMPATIBILITY: FLUIDS COMPATIBLE WITH STAINLESS STEEL 316L AND HASTELLOY C276

EXCITATION VOLTAGE:	5 VOLT
OUTPUT VOLTAGE:	350 mbar: 25 mV NOMINAL
	500 mbar: 35.5 mV NOMINAL
	700 mbar & ABOVE: 50 mV NOMINAL

INSULATION: 700 HUBS & ABOVE: 50 MV NOMINAL
> 100 MQ at 500 Vac
INTRINSIC SAFETY: BASEEFA CERTIFIED TO EEx ia IIC T4 amb BOC
BASEEFA CERTIFICATE No. Ex94C2539, TYPE PDCR IS-1745

COMBINED NON-LINEARITY HYSTERESIS AND REPEATABILITY ERROR: $\pm 0.1\%$ FS
ZERO OFFSET: ± 1.5 mV
SPAN SETTING: ± 0.5 mV

OPERATING TEMPERATURE RANGE: -40°C TO +80°C
 COMPENSATED TEMPERATURE RANGE: -20°C TO +80°C
 TEMPERATURE EFFECTS:
 350 mbar: ±3% FS TEB
 500 mbar: ±1.9% FS TEB
 700 mbar & ABOVE: ±1.5% TEB

TOTAL ERROR OVER -40°C TO +80°C:	+VE DIRECTION TYPICALLY ±4% FS EXCLUDING SETTING ACCURACY.
ENVIRONMENTAL PROTECTION:	-VE DIRECTION <10% FS EXCLUDING SETTING ACCURACY IP55 WHEN REFERENCE TUBE IS SUITABLY SEALED & PIPED TO A DRY AREA

PRESSURE CONNECTION: M14 X 1.5
ELECTRICAL CONNECTION: 4 CORE SHIELDED PTFE CABLE LENGTH AS SHOWN ABOVE

MARKING DETAILS:

POCR 921-1742
S/N*****
*** mbarg
5 VOLTS

VIBRATION: NORMAL FUNCTION SHALL BE MAINTAINED DURING SINUSOIDAL VIBRATION OF THREE PERPENDICULAR DIRECTIONS. MAX SWEEP RATE IS 1 OCTAVE/MIN AND THE AMPLITUDES SHALL BE:

2-13.2 Hz	1.0 mm AMPLITUDE
13.2-100 Hz	7 m/s ² ACCELERATION

SHOCK: THE EQUIPMENT SHALL OPERATE WITHOUT SIGNIFICANT DISTURBANCES DURING 20 BUMPS IN EACH PERPENDICULAR DIRECTION WITH FOLLOWING DATA:

FREQUENCY OF BUMPS	40-80/min
ACCELERATION:	50 m/s ²
LENGTH OF BUMPS:	10-15 ms

NOTES: TRANSDUCER BODY AND REFERENCE TUBE OUTSIDE DIAMETER TO BE SEALED
USING DOW CORNING 730
FULL CALIBRATION DATA TO BE SUPPLIED INCLUDING:
DEVIATION FROM BEST STRAIGHT LINE AT 700 mbar FS
THERMAL ZERO SHIFT, SPAN SHIFT & TEB AT 500 mbar FS
ACTUAL FULL RANGE OUTPUT (SPAN) AT 500 mbar FS TO BE STATED
ON CALIBRATION CERTIFICATE
CALIBRATION REQUIRED IN +VE DIRECTION ONLY OVER -20°C TO +80°C

GENERAL TOLERANCE ± U.O.S.
GENERAL DRAWING OFFICE PRACTICE TO B.S. 308



DRUCK LTD
FIRTREE LANE,
GROBY, LEICESTER.
TEL. 0533 314314

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SCALE
1 : 1

DIMS. IN
mm. U.O.S.

VERSION				01	01	01		
ISSUE	A	B	C	A	B	C		
DRAWN	MAB	MAB	MAB	K3	MAB	MAB		
CHECKED	APPO			K3	APPO	BSE		
DATE	19-10-1982	22-11-84	29-11-84	23-11-84	23-11-84	23-11-84		

PART No.

MATERIAL REMARKS

TITLE	
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SPECIFICATION PDCR 921-1742
FOR SAAB MARINE

DRAWING No. E —A3—1742

SHT 1 OF 1 SHTS