

SCD 422-2

Customer: Fresenius/Renal Solutions Inc

Transducer Type: SA Customer Spec: 851995001

Application: Medical

Description: SA 15 PSIG with a -6 to +9 PSIG range. The unit will operate to 10 PSIG with an 8.1 Vdc excitation. Zero T.C. from 30° to 130°F and provide data to customer. Special cable and handling instructions.

Specification for Model SA 15 will apply except as follows:

1. Range -6 +9 PSI G Over Range Note: All specifications are rated at 8.1 Vdc and

2. Span 5.00 ± .150 Vdc from -6 to +9 PSIG at 25°C unless otherwise noted

3. Input Resistance 4. Output Resistance

5. Excitation 8.1 Vdc 6. Input Current

7. Accuracy Non-linearity: ± 0.75% Full scale from straight line from -6 to +9 PSIG
Hysteresis: ± 0.5% full scale

8. Operating Temp. Range -48°F to +212°F Operating and Storage

9. Thermal Effect on Zero ± 1.8% Full scale/100°F (REF 80°F) (See Item 15) over item 11.

10. Thermal Effect on Span ± 1.4% Full scale/100°F (REF 80°F) over item 11.

11. Compensated Temp. Range 30° to 130°F

12. Zero Balance See Item 18 miscellaneous 13. Outline Dwg.# A36680

14. Other

The transducer will operate to 10 PSIG without saturation. Case electrically isolated from ground. Reverse polarity protection removed to allow lower excitation. Pressure leakage over 60 seconds under 6 millivolts, (under 10 psi).

15. Special Instructions

Data for zero pressure output at 30°F, 130°F, and room temperature to be supplied for each unit. Use Data Sheet A64041, or equivalent. Provide data sheet to customer. Cut exposed conductors (i.e. tinned section, 0.5") Conductors must be of equal length (1.25" ± 0.25") Referenced drawing C36661-04. Make two (2) copies of data sheet one to customer and one to QC.

16. Pressure Port 17. C of C Req'd (Y/N)

18. Miscellaneous

- Zero PSIG offset: 3.00 ± 0.15 Vdc

1.00 Vdc ± 150 mV at -6 PSIG

6.00 Vdc ± 150 mV at 9 PSIG

Proof Pressure: 20 PSIG; Burst Pressure: 200PSIG

19. Items to be Shipped with Product: Test Data for offset at 30°F, 130°F, and room temperature

Manufacture per BM# 9306405

Dwg# A93064-05

Revisions			Drawn	L. HUNTING
Rev	Description	Date	Check	R. DIIESO
F	RELEASED PER DCN 01-286	11/02/01	Originators	
G	RELEASED PER ECO-0107289	14/01/28	Des Eng	W. MAITLAND
			Mfg Eng	C.GUSTASON

Honeywell

Sensing and Control
Acton, MA USA
Specification Control Drawing

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