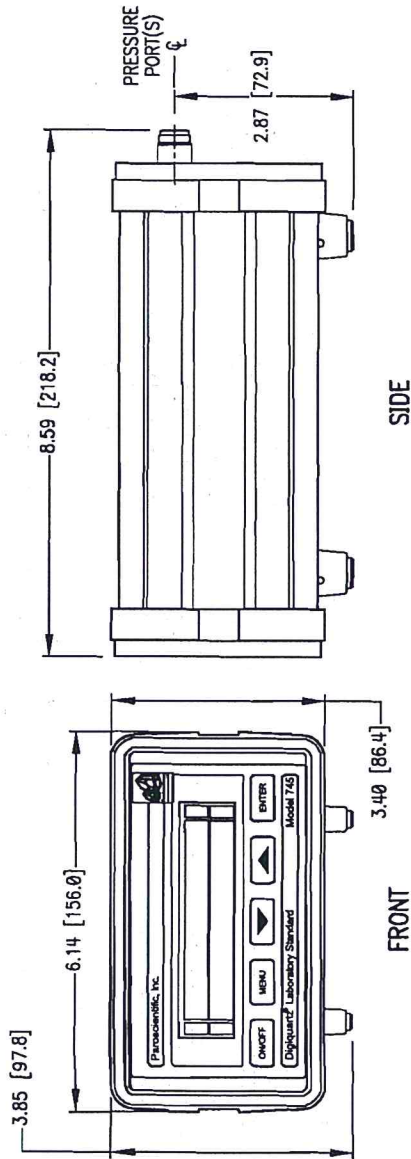


SPECIFICATION CONTROL DRAWING



MODEL 745

PERFORMANCE:

ACCURACY INCLUDING PRESSURE HYSTERESIS, REPEATABILITY, LINEARITY, AND TEMPERATURE CONFORMANCE $\pm 0.008\%$ OF FULL SCALE OR BETTER
 MODEL 745-168-VCR BETTER THAN ± 0.08 hPa

CHARACTERISTICS:

WEIGHT 4.0 LB (1.8 KG) MAX
 POWER REQUIREMENTS (EXTERNAL) +6 TO +25 VDC
 TYPICAL CURRENT CONSUMPTION:
 STANDARD RESOLUTION MODE 72 mA
 FIR RESOLUTION MODE (FIRMWARE D1.06 AND LATER) 84 mA
 IIR RESOLUTION MODE (FIRMWARE D1.06 AND LATER) 100 mA
 OPERATES UP TO 20 HOURS IN STANDARD RESOLUTION MODE ON 4 AA INTERNAL ALKALINE BATTERIES.
 DISPLAY IS 16 CHARACTER X 2 ROW LCD WITH .32" HIGH CHARACTERS.

ENVIRONMENTAL:

OVERPRESSURE (EXCEPT 500 PSIA UNIT) 1.2 TIMES FULL SCALE
 OVERPRESSURE (500 PSIA UNIT) 1.0 TIMES FULL SCALE
 OPERATING TEMPERATURE RANGE 0°C TO $+40^{\circ}\text{C}$ (32°F TO 104°F)
 PRODUCT IS CE MARKED.

MODEL NO.	PART NO.	PRESSURE RANGE	MATING FITTING
745-15A-VCR	1733-X01	0-15 PSIA (0.10 MPa)	1/4 SWAGelok VCR OR EQUIVALENT
745-16B-VCR	1733-X10	11.5-16 PSIA (0.11 MPa)	
745-23A-VCR	1733-X02	0-23 PSIA (0.16 MPa)	
745-30A-VCR	1733-X03	0-30 PSIA (0.21 MPa)	
745-45A-VCR	1733-X04-0	0-45 PSIA (0.31 MPa)	
745-100A-VCR	1733-X05-0	0-100 PSIA (0.69 MPa)	
745-200A-VCR	1733-X06-0	0-200 PSIA (1.38 MPa)	
745-300A-VCR	1733-X07-0	0-300 PSIA (2.07 MPa)	
745-400A-VCR	1733-X08-0	0-400 PSIA (2.76 MPa)	
745-500A-VCR	1733-X09-0	0-500 PSIA (3.45 MPa)	
745-15G-VCR	1733-X11	0-15 PSIG (0.10 MPa)	
745-22G-VCR	1733-X12	0-22 PSIG (0.15 MPa)	
745-30G-VCR	1733-X13-0	0-30 PSIG (0.21 MPa)	
745-100G-VCR	1733-X14-0	0-100 PSIG (0.69 MPa)	
745-150G-VCR	1733-X15-0	0-150 PSIG (1.03 MPa)	
745-200G-VCR	1733-X16-0	0-200 PSIG (1.38 MPa)	

ADD "-0" FOR OIL-FILLED UNITS
 NOT AVAILABLE ON UNITS 30 PSI AND BELOW
 0 = 110 VAC
 1 = 220 VAC

NOTES:

- PRESSURE FITTING ATTACHMENT: HOLD MALE NUT OR BODY HEX STATIONARY WITH BACKUP WRENCH. TIGHTEN FEMALE NUT 1/8 TURN PAST FINGER-TIGHT FOR SST AND NICKEL GASKETS OR 1/4 TURN PAST FINGER-TIGHT FOR COPPER GASKETS.
- REFER TO OPERATION MANUAL (8004-001) FOR OPERATING INSTRUCTIONS. OPERATIONS MANUAL CAN BE DOWNLOADED FROM PAROSCIENTIFIC WEBSITE.
- CAUTION: HANDLE UNIT WITH CARE. EXCESSIVE SHOCK OR VIBRATION MAY CAUSE PERMANENT DAMAGE.
- ACCESSORIES INCLUDE: SERIAL INTERFACE CABLE, AC ADAPTER, LAMINATED MENU CARD, AND 4 AA BATTERIES.
- OIL-FILLED UNITS HAVE THE PRESSURE PORT OIL FILLED UNDER VACUUM WITH DOW CORNING FS-1265 FLUID. AT 25°C , SPECIFIC GRAVITY IS 1.25 AND VISCOSITY IS 3000 CENTISTOKES. FOR GAUGE UNITS, ONLY THE POSITIVE PRESSURE PORT IS OIL FILLED. CAUTION: DO NOT APPLY VACUUM OR GAS TO OIL FILLED PRESSURE PORTS, OIL COULD BE WITHDRAWN PERMITTING PRESSURE MEDIUM TO COME INTO CONTACT WITH SENSING ELEMENTS.
- RS-232 PORT MEETS EIA/TIA-232 SPECIFICATIONS.

NAME		CURRENT		APPROVALS		DATE		NAME		DATE	
R. COLLADO		3/23/15		[Signature]		3/23/15		[Signature]		3/23/15	
CHIEF		3/23/15		[Signature]		3/23/15		[Signature]		3/23/15	
ENG		3/23/15		[Signature]		3/23/15		[Signature]		3/23/15	
EO NO/EFFECTIVE DATE: 8109		ACAD FILENAME: 7831-002		ACAD FILENAME: 7831-002		ACAD FILENAME: 7831-002		ACAD FILENAME: 7831-002		ACAD FILENAME: 7831-002	

DESCRIPTION		DIGIQUARTZ®	
PORTABLE LABORATORY STANDARD, MODEL 745 W/ VCR FITTINGS		PORTABLE LABORATORY STANDARD, MODEL 745 W/ VCR FITTINGS	
SIZE	A 54535	SCALE	1/3
REV	7831-002	SHEET	1 OF 2

SPECIFICATION CONTROL DRAWING

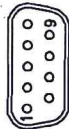
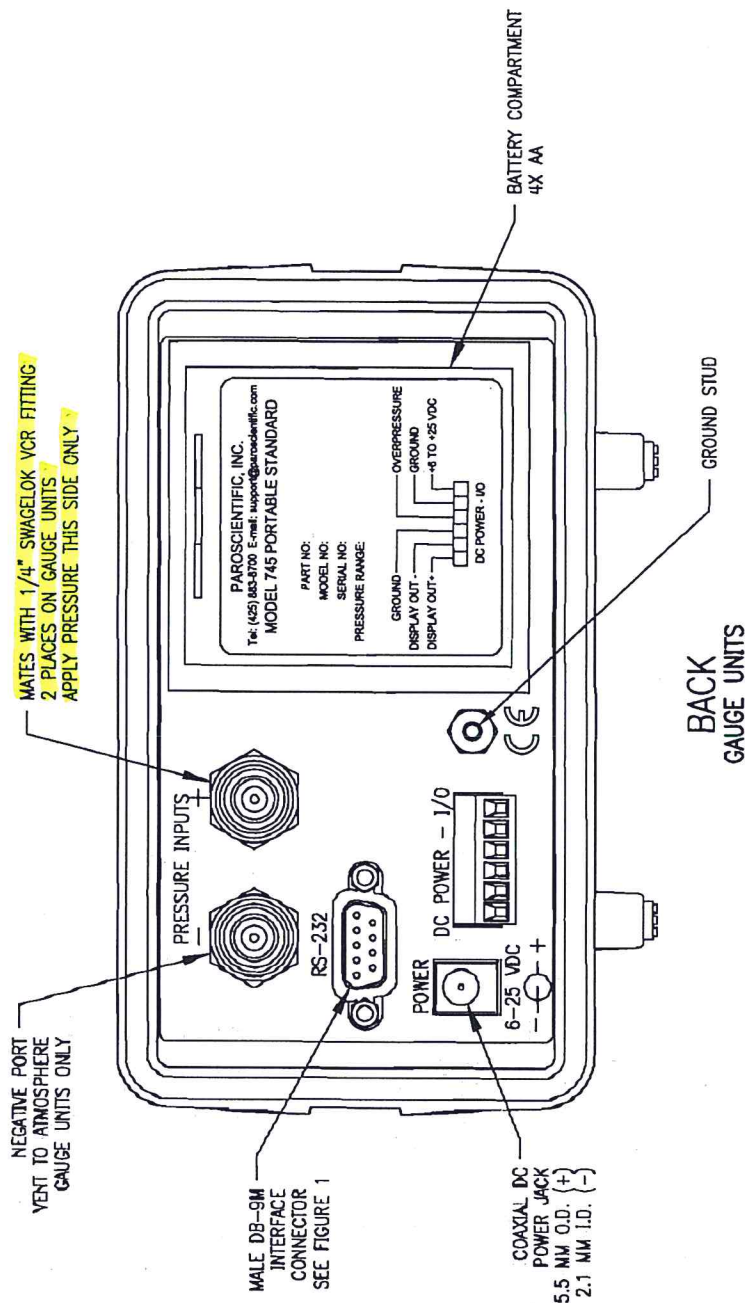


FIGURE 1

CONNECTOR PIN-OUT (DB-9M)

PIN	SIGNAL
1	NOT USED
2	RS-232 TX
3	RS-232 RX
4	NOT USED
5	POWER/SIGNAL GND
6	NOT USED
7	NOT USED
8	NOT USED
9	NOT USED