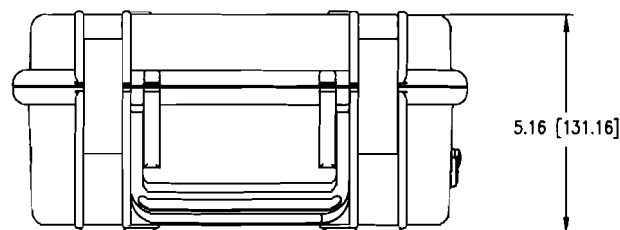
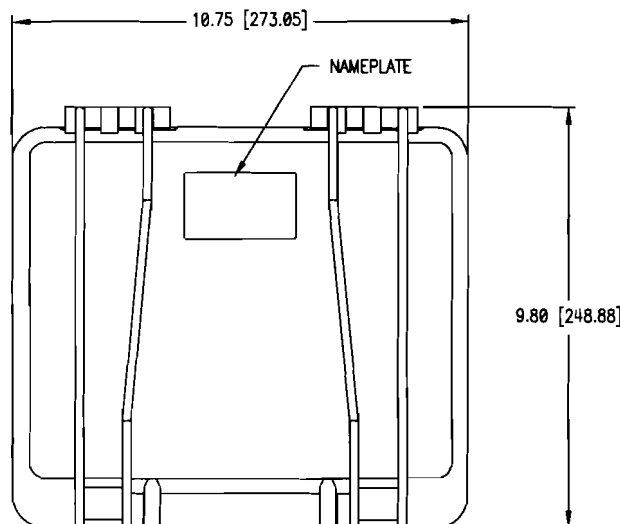


SPECIFICATION CONTROL DRAWING

STANDARD PRODUCT

NOTES:

1. MAXIMUM TORQUE ON VCO PRESSURE FITTING IS 75 IN-LB (8.47 N-M). MAXIMUM TORQUE ON HIP PRESSURE FITTING IS 25 FT-LB (33.9 N-M).
2. REFER TO OPERATION MANUAL 8005-001 FOR OPERATING INSTRUCTIONS. OPERATIONS MANUAL CAN BE DOWNLOADED FROM PAROSCIENTIFIC WEBSITE.
3. CAUTION: UNIT IS A SCIENTIFIC INSTRUMENT. EXCESSIVE SHOCK MAY CAUSE PERMANENT DAMAGE. HANDLE WITH CARE.
4. ACCESSORIES INCLUDE: USB INTERFACE CABLE, UNIVERSAL AC ADAPTER, AND LAMINATED MENU CARD. ALL VCO UNITS SHIPPED WITH 1/4" TUBING ADAPTER(S).
5. OIL-FILLED UNITS ARE FILLED UNDER VACUUM BY THE MANUFACTURER WITH DOW-CORNING FS 1265 FLUID. AT 25 °C, SPECIFIC GRAVITY IS 1.25 AND VISCOSITY IS 300 CENTISTOKES.
6. 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 OIL COULD BE WITHDRAWN, PERMITTING PRESSURE MEDIUM TO COME INTO CONTACT WITH SENSING ELEMENTS.
7. RS-232 PORT MEETS EIA/TIA-232 SPECIFICATIONS.
8. PRODUCT IS CE CERTIFIED.



OVERALL DIMENSIONS

MODEL NO.	PART NO.	PRESSURE RANGE	ACCURACY	OPERATING TEMP RANGE	MATING FITTING
765-15A	1100-001	0-15 PSIA (0.10 MPa)	±0.008% OF F.S. OR BETTER	-20 °C TO +50 °C (-4 °F TO +122 °F)	1/4" SWAGelok VCO
765-16B	1100-010	7-16 PSIA (0.11 MPa)	±0.08 hPa OR BETTER		
765-23A	1100-002	0-23 PSIA (0.16 MPa)			
765-30A	1100-003	0-30 PSIA (0.21 MPa)			
765-45A	1100-004	0-45 PSIA (0.31 MPa)			
765-100A	1100-005	0-100 PSIA (0.69 MPa)			
765-200A	1100-006	0-200 PSIA (1.38 MPa)			
765-300A	1100-007	0-300 PSIA (2.07 MPa)			
765-400A	1100-008	0-400 PSIA (2.76 MPa)			
765-500A	1100-009	0-500 PSIA (3.45 MPa)			
765-15G	1100-011	0-15 PSIG (0.10 MPa)	±0.008% OF F.S. OR BETTER		
765-22G	1100-012	0-22 PSIG (0.15 MPa)			
765-30G	1100-013	0-30 PSIG (0.21 MPa)			
765-100G	1100-014	0-100 PSIG (0.69 MPa)			
765-150G	1100-015	0-150 PSIG (1.03 MPa)			
765-200G	1100-016	0-200 PSIG (1.38 MPa)			
765-1K	1100-017-0	0-1000 PSIA (6.89 MPa)			
765-2K	1100-018-0	0-2000 PSIA (13.8 MPa)			
765-3K	1100-019-0	0-3000 PSIA (20.7 MPa)			
765-6K	1100-020-0	0-6000 PSIA (41.4 MPa)			
765-10K	1100-021-0	0-10000 PSIA (68.9 MPa)		0 °C TO +40 °C (32 °F TO +104 °F)	HIP: GLAND 60-2HM4 COLLAR 60-2H4 NIPPLE HM4 OR AUTOCLAVE: GLAND AGL(40) COLLAR ACL(40) NIPPLE CN44
765-15K	1100-022-0	0-15000 PSIA (103 MPa)			
765-20K	1100-023-0	0-20000 PSIA (138 MPa)			
765-30K	1100-024-0	0-30000 PSIA (207 MPa)			
765-40K	1100-025-0	0-40000 PSIA (276 MPa)			
			±0.02% OF F.S. OR BETTER		

ADD "-0" FOR OIL-FILLED, 1K PSIA TO 40K PSIA ONLY

PERFORMANCE:

ACCURACY RELATIVE TO THE PRIMARY STANDARD INCLUDES HYSTERESIS, NON-REPEATABILITY, AND NON-CONFORMANCE SEE TABLE

CHARACTERISTICS:

WEIGHT 8.5 LB (3.86 KG) TYPICAL

POWER REQUIREMENTS (WITH SUPPLIED AC ADAPTER) 100-240 VAC, 47-63 Hz
(OPERATES UP TO 150 HOURS ON BUILT-IN RECHARGEABLE BATTERY)

DISPLAY IS 16 CHARACTER X 2 ROW LCD WITH .32 IN. HIGH CHARACTERS.

ENVIRONMENTAL:

OVERPRESSURE 1.2 TIMES FULL SCALE
MODEL 765-500A 1.0 TIMES FULL SCALE
MODELS 765-30K AND 765-40K 1.1 TIMES FULL SCALE

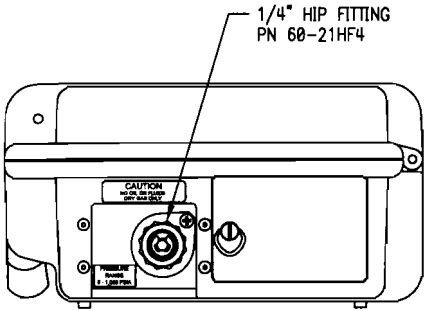
OPERATING TEMPERATURE RANGE SEE TABLE

AC ADAPTER OPERATING TEMPERATURE RANGE 0 °C TO +40 °C (32 °F TO +104 °F)

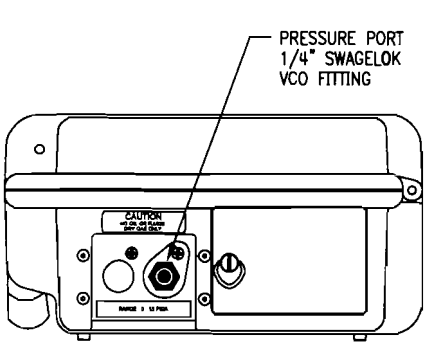
STORAGE TEMPERATURE RANGE -20 °C TO +80 °C (-4 °F TO +176 °F)

CURRENT APPROVALS				 Paroscientific, Inc. 4580 140th Avenue NE Redmond, WA 98052 Tel 425.833.5700 Fax 425.867.5407 website www.paroscientific.com		DESCRIPTION		DIGIQUARTZ® PORTABLE PRESSURE STANDARD, MODEL 765	
NAME	DATE	NAME	DATE			SIZE	CAGE	DOCUMENT NUMBER	REV
CAD R.M. Collado	12/18/14	MFG C. Delbon	12/18	UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES DIMENSIONS IN BRACKETS ARE IN MILLIMETERS DIMENSIONS ARE FOR REFERENCE ONLY	A	54535	7833-001	J	
CHK C. Smith	12/18/14	QA C. Smith	12/18/14						
ENG T. Luxon	12/18/14	MKTG P. M. M.	12/18						
EO NO/EFFECTIVE DATE: 8109									
ACAD FILENAME: 765\7833-001				SCALE NONE		SHEET 1 OF 2			

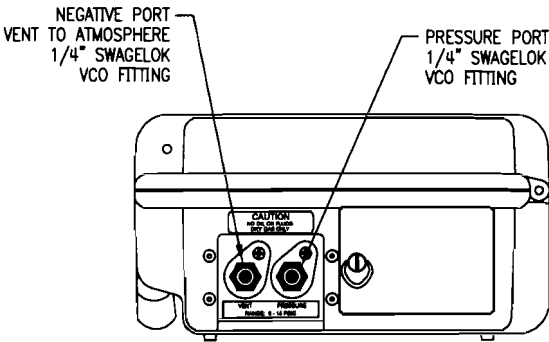
SPECIFICATION CONTROL DRAWING



MODELS 1K TO 40K PSIA



MODELS 16B, 15 TO 500 PSIA



MODELS 15 TO 200 PSIG

PRESSURE PANEL VIEWS

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

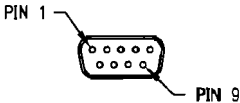
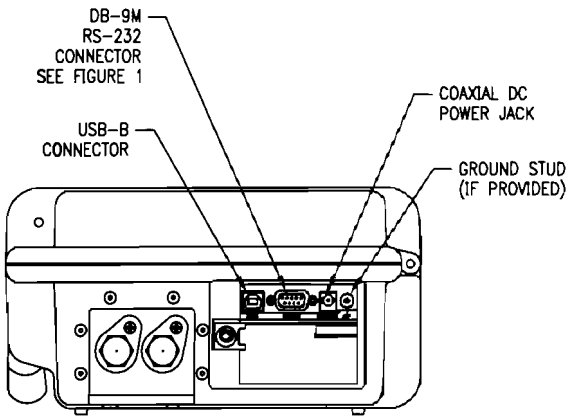


FIGURE 1. DB-9M CONNECTOR



INTERFACE/STORAGE PANEL VIEW

MODEL 765 CONFIGURATIONS