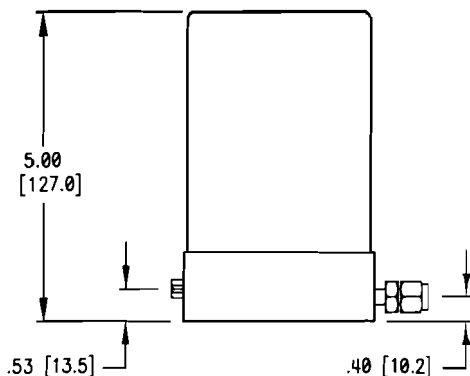


SPECIFICATION CONTROL DRAWING

STANDARD PRODUCT

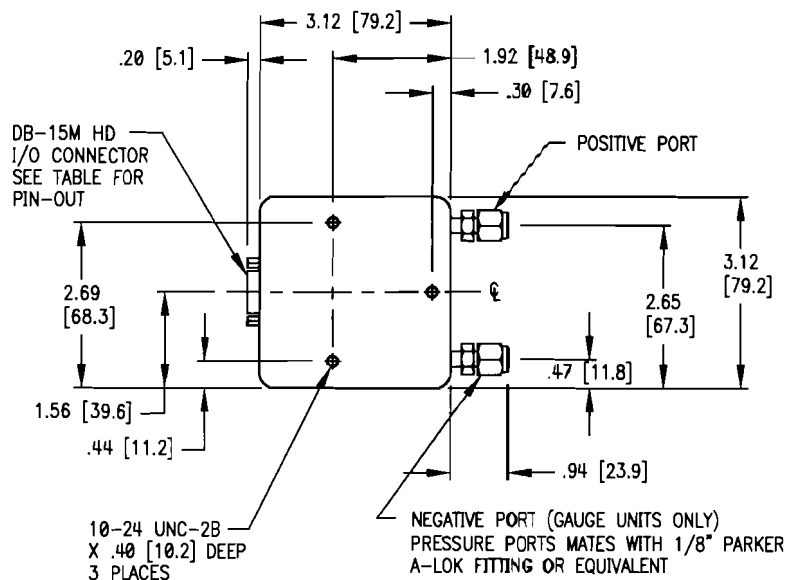
CAUTION

DELICATE INSTRUMENT.
HANDLE WITH CARE. DO NOT TRANSMIT
SHOCK OR EXCESSIVE VIBRATION TO
PRESSURE PORT OR TRANSMITTER BODY.
PERMANENT DAMAGE MAY RESULT.



MODEL NO.	PART NO.	PRESSURE RANGE
1000-15A	1650-001	0 TO 15 PSIA (0.10 MPa)
1000-23A	1650-002	0 TO 23 PSIA (0.16 MPa)
1000-30A	1650-003-0	0 TO 30 PSIA (0.21 MPa)
1000-45A	1650-004-0	0 TO 45 PSIA (0.31 MPa)
1000-100A	1650-005-0	0 TO 100 PSIA (0.69 MPa)
1000-200A	1650-006-0	0 TO 200 PSIA (1.38 MPa)
1000-300A	1650-007-0	0 TO 300 PSIA (2.07 MPa)
1000-400A	1650-008-0	0 TO 400 PSIA (2.76 MPa)
1000-500A	1650-009-0	0 TO 500 PSIA (3.45 MPa)
1000-15G	1650-010	0 TO 15 PSIG (0.10 MPa)
1000-22G	1650-011	0 TO 22 PSIG (0.15 MPa)
1000-30G	1650-012-0	0 TO 30 PSIG (0.21 MPa)
1000-100G	1650-013-0	0 TO 100 PSIG (0.69 MPa)
1000-150G	1650-014-0	0 TO 150 PSIG (1.03 MPa)
1000-200G	1650-015-0	0 TO 200 PSIG (1.38 MPa)
1000-1K	1650-016-0	0 TO 1,000 PSIA (6.90 MPa)
1000-2K	1650-017-0	0 TO 2,000 PSIA (13.79 MPa)
1000-3K	1650-018-0	0 TO 3,000 PSIA (20.68 MPa)
1000-6K	1650-019-0	0 TO 6,000 PSIA (41.36 MPa)
1000-10K	1650-020-0	0 TO 10,000 PSIA (68.9 MPa)

WITH "-0" FOR OIL FILLED
(30 PSI AND ABOVE ONLY)



CONNECTOR PIN-OUT

PIN	SIGNAL
1	CHASSIS GND
2	RS-232 TX
3	RS-232 RX
4	NOT USED
5	POWER/SIGNAL GND
6	TARE OUTPUT
7	TARE INPUT
8	OVERPRESSURE OUTPUT
9	POWER
10	NOT USED
11	NOT USED
12	RS-485 RX+
13	RS-485 RX-
14	RS-485 TX+
15	RS-485 TX-

PERFORMANCE:

REFER TO APPROPRIATE SPECIFICATION CONTROL DRAWING (SCD) LISTED BELOW FOR
INTERNAL PRESSURE TRANSDUCER SPECIFICATIONS.

PRESSURE RANGE	DOCUMENT NO.
15 TO 400 PSIA	7268-001
500 PSIA	7445-001
1000 PSIA	7385-001
2000 TO 10,000 PSIA	7271-001
15 TO 200 PSIG	7239-001

CHARACTERISTICS:

WEIGHT 29 OZ (822 G) MAX

OPERATES FROM +6 VDC MIN TO +16 VDC MAX.

OPERATING SUPPLY CURRENT:

	RESOLUTION MODE (SEE NOTE 3)
	STANDARD (PARTS PER MILLION)
SLEEP MODE	7 mA
QUIESCENT	12 mA
MAXIMUM	16 mA
	NANO (IIR) (PARTS PER MILLION)
SLEEP MODE	7 mA
QUIESCENT	43 mA
MAXIMUM	43 mA

RS-232/RS-485 COMMUNICATIONS PORTS MEET EIA/TIA-232/485 SPECIFICATIONS.

ENVIRONMENTAL:

OPERATING TEMPERATURE RANGES:

15 PSI TO 1K PSI	-40 °C TO +70 °C (-40 °F TO +158 °F)
30 PSI TO 1K PSI (IF OIL-FILLED)	-20 °C TO +70 °C (-4 °F TO +158 °F)
2K PSI TO 10K PSI	0 °C TO +70 °C (32 °F TO +158 °F)

OVERPRESSURE FOR ALL MODELS EXCEPT 1000-500A 1.2 X FULL SCALE

OVERPRESSURE FOR MODEL 1000-500A 1.0 X FULL SCALE

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 300 CENTISTOKES. FOR GAUGE UNITS, ONLY THE POSITIVE PRESSURE PORT IS OIL FILLED.

CAUTION: DO NOT APPLY VACUUM TO PRESSURE PORTS. OIL COULD BE WITHDRAWN PERMITTING PRESSURE MEDIUM TO COME INTO CONTACT WITH SENSING ELEMENTS.

OIL-FILLED UNITS GENERATE A PRESSURE HEAD THAT VARIES WITH ORIENTATION.

NOTES:

1. MAXIMUM TIGHTENING FORCE ON PRESSURE FITTING AFTER INSTALLING THE NUT FINGER-TIGHT SHOULD BE 3/4 OF A TURN USING WRENCHES.
2. DEPENDING ON MODEL, PRESSURE MEDIUM MAY BE IN CONTACT WITH STAINLESS STEEL, ALUMINUM, NICKEL, INCONEL, SOLDER, NYLON, OIL, GOLD AND EPOXY. 1000 THRU 10,000 PSI UNITS, PRESSURE MEDIUM MAY BE IN CONTACT WITH STAINLESS STEEL, INCONEL AND OIL ONLY.
3. INTERFACE CABLE SUPPLIED WITH UNIT. SEE OPERATIONS MANUAL 8819-001 FOR PROGRAM COMMAND INSTRUCTIONS AND CONFIGURATION SELECTION, AND FOR DEFINITIONS OF STANDARD (PARTS PER MILLION) AND NANO (PARTS PER BILLION) IIR FILTERS. DEFAULT SETTING IS STANDARD RESOLUTION. OPERATIONS MANUAL CAN BE DOWNLOADED FROM PAROSCIENTIFIC WEBSITE.

CURRENT APPROVALS

NAME	DATE	NAME	DATE
R.M. Collado	12/22/14	A. Dela	12/15
C. Smith	12/24/14	A. Dela	12/24/14
T. Luxon	12/23/14	P. Smith	12/15

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DESCRIPTION

DIGIQUARTZ®
1000 INTELLIGENT TRANSMITTER
WITH RS-232/RS-485

SIZE	CAGE	DOCUMENT NUMBER	REV
A	54535	7607-001	M

EO NO/EFFECTIVE DATE: 8109, 8110

ACAD FILENAME: 7607-001

SCALE NONE

SHEET 1 OF 1