

SPECIFICATION CONTROL DRAWING

STANDARD PRODUCT

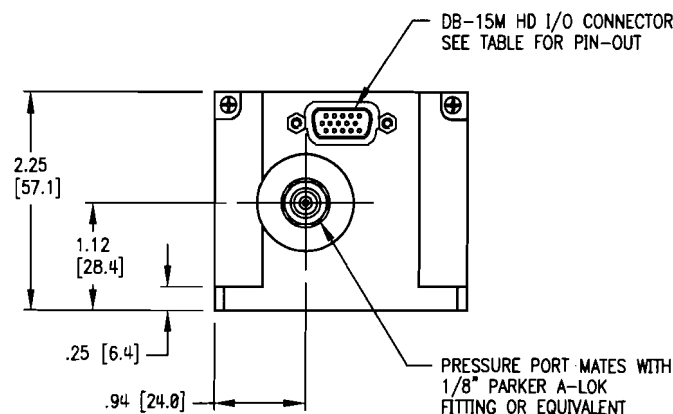
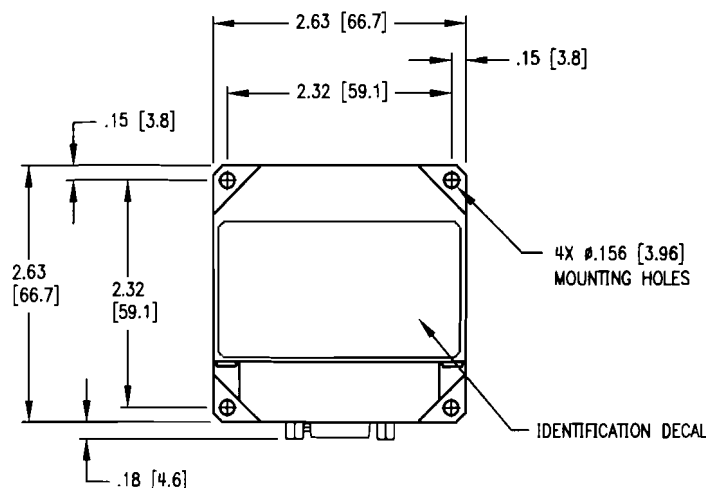
CAUTION

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 NUMBER	PRESSURE RANGE
6000-15A	1601-00X	0 TO 15 PSIA (0.10 MPa)
6000-23A	1602-00X	0 TO 23 PSIA (0.16 MPa)
6000-30A	1603-00X-0	0 TO 30 PSIA (0.21 MPa)
6000-45A	1604-00X-0	0 TO 45 PSIA (0.31 MPa)
6000-100A	1605-00X-0	0 TO 100 PSIA (0.69 MPa)
6000-200A	1606-00X-0	0 TO 200 PSIA (1.38 MPa)
6000-300A	1607-00X-0	0 TO 300 PSIA (2.07 MPa)
6000-400A	1608-00X-0	0 TO 400 PSIA (2.76 MPa)
6000-500A	1609-00X-0	0 TO 500 PSIA (3.45 MPa)

WITH "-0" FOR OIL FILLED
(30 PSI AND 45 PSI WITH NYLON TUBE ONLY)
(100 PSI TO 400 PSI WITH SST OR NYLON TUBE)

-001 FOR STAINLESS STEEL BUFFER TUBE
-002 FOR NYLON BUFFER TUBE (UP TO 400 PSI ONLY)



CONNECTOR PIN-OUT:

PIN	SIGNAL
1	NOT USED
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:

REPEATABILITY $\leq \pm 0.005\%$ OF FULL SCALE
HYSTERESIS $\leq \pm 0.005\%$ OF FULL SCALE
FOR NON OIL-FILLED UNITS ONLY:
ACCELERATION SENSITIVITY $\leq \pm 0.0038\%$ OF FULL SCALE/G
UNDER FULL SCALE PNEUMATIC PRESSURE LOAD $\leq 0.003\%$ OF FULL SCALE/G (WORST AXIS)
SUPPLY VOLTAGE SENSITIVITY LESS THAN 0.001% FULL SCALE/V

CHARACTERISTICS:

WEIGHT 15.9 OZ (450 G) NOMINAL
OPERATES FROM +6 VDC TO +16 VDC. RECOMMENDED INPUT VOLTAGE IS +6 VDC.
OPERATING SUPPLY CURRENT:

	RESOLUTION MODE (SEE NOTE 4)	
	STANDARD (PARTS PER MILLION)	NANO (IIR) (PARTS PER BILLION)
SLEEP MODE	7 mA	7 mA
QUIESCENT	12 mA	4.3 mA
MAXIMUM	16 mA	4.3 mA

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

ENVIRONMENTAL:

OVERPRESSURE 15 PSIA TO 400 PSIA = 1.2 TIMES FULL SCALE
500 PSIA = 1.0 TIMES FULL SCALE

OPERATING TEMPERATURE RANGE: SST TUBE ... -40 °C TO +70 °C (-40 °F TO +158 °F)
NYLON TUBE ... -20 °C TO +70 °C (-4 °F TO +158 °F)

IF UNIT IS OIL-FILLED, MINIMUM OPERATING TEMPERATURE IS -20 °C (-4 °F).

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.

CAUTION: IF UNIT IS OIL FILLED, DO NOT APPLY VACUUM TO PRESSURE PORT. 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:

- MAXIMUM TIGHTENING FORCE ON PRESSURE FITTING AFTER INSTALLING THE NUT FINGER-TIGHT IS 3/4 OF A TURN USING WRENCHES.
- PRESSURE MEDIUM MAY BE IN CONTACT WITH STAINLESS STEEL, NICKEL, SOLDER, AND GOLD. IN OIL-FILLED UNITS, PRESSURE MEDIUM MAY BE IN CONTACT WITH NYLON OR STAINLESS STEEL AND OIL.
- SEE SCD 7374-001 FOR STAINLESS STEEL BUFFER TUBE SPECIFICATION.
SEE SCD 7373-001 FOR NYLON BUFFER TUBE SPECIFICATION.
- 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
CAD R.M. Collado	12/22/14	CHK J. S. J.	12/24/14
ENG T. Luxon	12/23/14	WKTG J. S. J.	12/23/14

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UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS ARE IN INCHES
DIMENSIONS IN BRACKETS ARE IN MILLIMETERS
DIMENSIONS ARE FOR REFERENCE ONLY

DESCRIPTION DIGIQUARTZ®
6000A INTELLIGENT TRANSMITTER,
WITH RS-232/RS-485

SIZE A CAGE 54535 DOCUMENT NUMBER 7601-001 REV M

SCALE NONE SHEET 1 OF 1

EO NO/EFFECTIVE DATE: 8109, 8110

ACAD FILENAME: 7601-001