

SPECIFICATION CONTROL DRAWING

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
1000-100A-03	1732-001-0	0 TO 100 PSIA (0.69 MPa)
1000-500A-03	1732-009-0	0 TO 500 PSIA (3.45 MPa)
1000-1K-03	1729-001-0	0 TO 1000 PSIA (6.90 MPa)

L WITH -0 FOR OIL-FILLED

PERFORMANCE:

FOR INTERNAL PRESSURE TRANSDUCER SPECIFICATIONS, REFER TO APPROPRIATE SPECIFICATION CONTROL DRAWINGS (SCD). FOR 1000-100A-03, SEE SCD 7268-001.
FOR 1000-500A-03, SEE SCD 7345-001.
FOR 1000-1K-03, SEE SCD 7385-001.

CHARACTERISTICS:

WEIGHT 1 LB 13 OZ (0.82 KG) MAX
OPERATES FROM +6 VDC MIN TO +16 VDC MAX. RECOMMENDED INPUT VOLTAGE IS +6 VDC.
OPERATING SUPPLY CURRENT: RESOLUTION MODE (SEE NOTE 5)

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	STANDARD (PARTS PER MILLION)	NANO (IIR) (PARTS PER BILLION)
SLEEP MODE	7 mA	7 mA
QUIESCENT	12 mA	43 mA
MAXIMUM	16 mA	43 mA

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

ENVIRONMENTAL:

OVERPRESSURE	1.2 X FULL SCALE
OPERATING TEMPERATURE RANGE	-20 °C TO +70 °C (-4 °F TO +158 °F)
STORAGE TEMPERATURE RANGE	-55 °C TO +75 °C (-67 °F TO +167 °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CAUTION: IF UNIT IS OIL-FILLED, DO NOT APPLY VACUUM TO PRESSURE PORT; OIL COULD BE WITHDRAWN PERMITTING PRESSURE MEDIUM TO COME INTO CONTACT WITH THE SENSING ELEMENTS.

NOTES:

1. MAXIMUM ALLOWABLE TORQUE ON PRESSURE FITTING IS 75 IN-LB (8.47 N-M).
2. RS-232 SIGNAL LEVELS ARE ± 4 VDC NOMINAL. MAXIMUM CABLE LENGTH DEPENDS ON CABLE TYPE, BAUD RATE, AND ELECTRICAL NOISE LEVELS.
3. FOR MODEL 1000-100A-03, PRESSURE MEDIUM MAY BE IN CONTACT WITH STAINLESS STEEL, ALUMINUM, NICKEL, SOLDER, NYLON, OIL, GOLD, AND EPOXY.
FOR MODEL 1000-500A-03, PRESSURE MEDIUM MAY BE IN CONTACT WITH STAINLESS STEEL, NICKEL, SOLDER, PEEK, AND OIL.
FOR MODEL 1000-1K-03, PRESSURE MEDIUM MAY BE IN CONTACT WITH STAINLESS STEEL, INCONEL, PEEK, AND OIL.
4. ELECTRICAL ISOLATION: >100 MEGOHMS AT 500 VDC; <50 μ A AT 500 VAC.
5. 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.

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-

CURRENT APPROVALS				 Paroscientific, Inc. 4508 148th Avenue NE Redmond, WA 98052 Tel: 425.883.8798 Fax: 425.887.5407 website: www.paroscientific.com	DESCRIPTION	
NAME	DATE	NAME	DATE		1000 INTELLIGENT TRANSMITTER, RS-232/-485, ELECTRICALLY ISOLATED	
CAD <input checked="" type="checkbox"/> R.M. Collado	3/13/15	MR <input type="checkbox"/> Dorey	3/24/15	UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES DIMENSIONS IN BRACKETS ARE IN MILLIMETERS DIMENSIONS ARE FOR REFERENCE ONLY	SIZE A	CAGE 54535
CHK <input checked="" type="checkbox"/> C. Smith	3/18/15	QA <input type="checkbox"/> Wells	3/16/15			DOCUMENT NUMBER 7274-009
ENG <input checked="" type="checkbox"/> T. Lexon	3/13/15	MKTG <input type="checkbox"/> Jim	3/13/15			REV H
ED NO/EFFECTIVE DATE: 8108, 8110				ACAD FILENAME: 7274-009 .dwg		SCALE
						SHEET 1 OF 1