LTR	ECO	RELEASE DATE / BY
—	—	—

* Preliminary models, currently not in production

REF	ITEM NO.	DRAWING NO.	DESCRIPTION / MODEL	
48	122340		HIGH FIELD TR PROBE	HTR81-0608-10
47	122339		HIGH FIELD AX PROBE	SAR81-1908-10
46	122338		HIGH FIELD AX PROBE	HAR81-2508-10
45	122347		HIGH FREQ TR PROBE	STD81-0404-10
44	122345 *		HIGH FREQ AX PROBE	PAA81-1908-10
43	122342-3		MAGNA PROBE	MOX81-2506-30
42	122342		MAGNA PROBE	MOX81-2506-10
41	122341-3		LOW FIELD PROBE	MOS81-3204-30
40	122341		LOW FIELD PROBE	MOS81-3204-10
39	122336		CRYOGENIC AX PROBE	CAP81-2560-10
38	122334		CRYOGENIC TR PROBE	CTP81-3260-10
37	122316 *		AXIAL PROBE	SAA81-0604-10
36	122315		AXIAL PROBE	SAM81-1908-10-T
35	122314		AXIAL PROBE	SAM81-1908-10
34	122313		AXIAL PROBE	SAM81-1904-10-T
33	122312		AXIAL PROBE	SAM81-1904-10
32	122335		AXIAL PROBE	SAF81-1902-10-T
31	122311		AXIAL PROBE	SAF81-1908-10-T
30	122310		AXIAL PROBE	SAF81-1908-10
29	122309		AXIAL PROBE	SAF81-1904-10-T
28	122308		AXIAL PROBE	SAF81-1904-10
27	122307		AXIAL PROBE	HAM81-2508-10-T
26	122306		AXIAL PROBE	HAM81-2508-10
25	122305		AXIAL PROBE	HAM81-2504-10-T
24	122304		AXIAL PROBE	HAM81-2504-10
23	122303		AXIAL PROBE	HAF81-2508-10-T
22	122302		AXIAL PROBE	HAF81-2508-10
21	122301		AXIAL PROBE	HAF81-2504-10-T
20	122300		AXIAL PROBE	HAF81-2504-10
19	122337		TRANSVERSE PROBE	FTM81-0215-10-T
18	122333		TRANSVERSE PROBE	STF81-0204-10-T
17	122332		TRANSVERSE PROBE	STF81-0204-10
16	122331		TRANSVERSE PROBE	STM81-0404-10-T
15	122330		TRANSVERSE PROBE	STM81-0404-10
14	122329		TRANSVERSE PROBE	STM81-0402-10-T
13	122328		TRANSVERSE PROBE	STM81-0402-10
12	122327		TRANSVERSE PROBE	STF81-0404-10-T
11	122326		TRANSVERSE PROBE	STF81-0404-10
10	122325-3		TRANSVERSE PROBE	STF81-0402-30-T
9	122325		TRANSVERSE PROBE	STF81-0402-10-T
8	122324		TRANSVERSE PROBE	STF81-0402-10
7	122323		TRANSVERSE PROBE	HTM81-0608-10-T
6	122322		TRANSVERSE PROBE	HTM81-0608-10
5	122321		TRANSVERSE PROBE	HTF81-0608-10-T
4	122320		TRANSVERSE PROBE	HTF81-0608-10
3	122319		TRANSVERSE PROBE	HTF81-0604-10-T
2	122318		TRANSVERSE PROBE	HTF81-0604-10
1		U2-6277	SCHEMATIC, 8000 SERIES PROBES	
REF	ITEM NO.	DRAWING NO.	DESCRIPTION / MODEL	

SCALE NONE	DRN 07-16-09 GG
DEC± .005	APPD 10-30-12 AVZ
FRAC± —	QA APPD 10-29-12 JSS
ANG± —	REL 10-29-12 LNP

F.W. BELL

TITLE

PROBE SPECIFICATIONS, 8000 SERIES GAUSSMETER

SHT	OF	DWG NO.	REV
1	7	U1-6276	—

SPECIFICATIONS: TRANSVERSE PROBES

1.0 GENERAL DESCRIPTION

8000 SERIES TRANSVERSE PROBES ARE PRECISION, SEMICONDUCTOR MAGNETIC FIELD SENSORS DESIGNED FOR USE WITH F.W. BELL 8000 SERIES GAUSSMETERS TO PROVIDE STABLE AND REPEATABLE TRANSVERSE MAGNETIC FLUX DENSITY MEASUREMENTS.

THESE UNITS FEATURE RUGGEDIZED CONSTRUCTION SUITABLE FOR MANUAL OR FIXTURED APPLICATIONS.

2.0 ELECTRICAL AND PHYSICAL SPECIFICATIONS

2.1 FOR SPECIFICATION DETAILS REFER TO TABLE 1 ON PAGE 7.

2.2 ELECTRICAL SCHEMATIC : REF [1]

2.3 STORAGE TEMPERATURE RANGE : −25°C TO +75°C (−13°F TO +167°F)

3.0 CALIBRATION

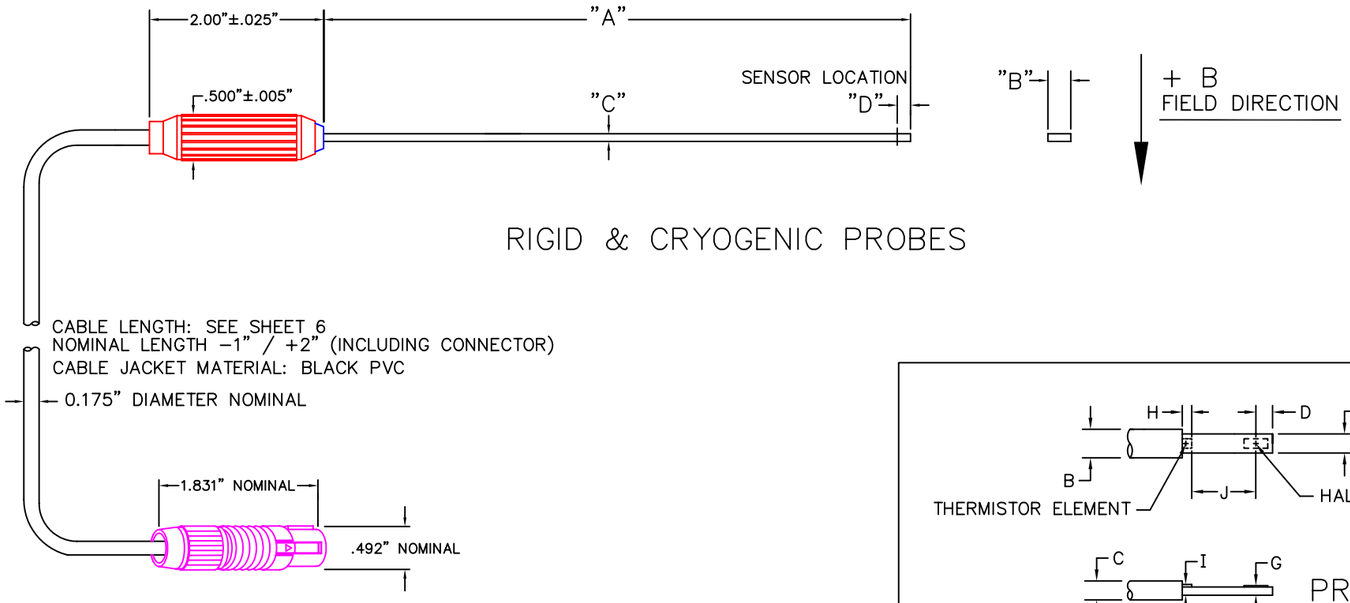
3.1 CALIBRATION IS REFERENCED TO A LABORATORY STANDARD MAGNET. THIS STANDARD IS MEASURED BY THE NUCLEAR MAGNETIC RESONANCE (NMR) TECHNIQUE, WHICH IS BASED ON ACCEPTED VALUES OF NATURAL PHYSICAL CONSTANTS

3.2 PROBES ARE CALIBRATED TO INDICATED ACCURACY OVER THE SPECIFIED RANGES WHEN USED WITH THE APPROPRIATE F.W. BELL GAUSSMETER.

3.3 GAUSSMETER ERRORS MUST BE ADDED TO PROBE LINEARITY ERRORS TO OBTAIN OVERALL MEASURING ACCURACY.

4.0 SPECIAL PROBES

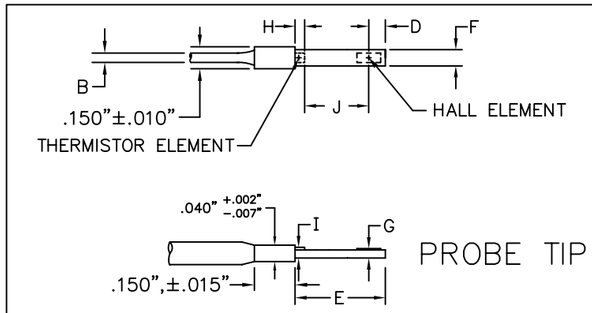
4.1 ELECTRICAL AND/OR PHYSICAL REQUIREMENTS NOT COVERED BY STANDARD PROBES MAY BE FURNISHED AS SPECIAL PROBES.



RIGID & CRYOGENIC PROBES

CONNECTOR MANUFACTURER: NEUTRIK USA
INSERT: PA 6.6, BLACK COLOR, UL 94V−0 RATED, NEUTRIK P.N. MMI
HOUSING: CuZn39Pb3/ZnAl4Cu1 SATIN CHROMIUM PLATED, NEURIK P.N. MSC
CONTACTS: CuZn39Pb3/CuZn35Pb2/CuSn6 − 0.2um AuCo, NEUTRIK P.N. MPS

SEMI−RIGID PROBES
REF [17], [18]



FLEXIBLE PROBES
REF [19]

FIGURE 1. TRANSVERSE PROBES.

REF	QTY	ITEM NO.	DRAWING NO.	DESCRIPTION		
		F.W. BELL		SHEET NO. 2	DWG NO. U1-6276	REV —

SPECIFICATIONS: AXIAL PROBES

1.0 GENERAL DESCRIPTION

8000 SERIES AXIAL PROBES ARE PRECISION, SEMICONDUCTOR MAGNETIC FIELD SENSORS DESIGNED FOR USE WITH F.W. BELL 8000 SERIES GAUSSMETERS TO PROVIDE STABLE AND REPEATABLE AXIAL MAGNETIC FLUX DENSITY MEASUREMENTS.

THESE UNITS FEATURE RUGGEDIZED CONSTRUCTION SUITABLE FOR MANUAL OR FIXTURED APPLICATIONS.

2.0 ELECTRICAL AND PHYSICAL SPECIFICATIONS

2.1 FOR SPECIFICATION DETAILS REFER TO TABLE 2 ON PAGE 8.

2.2 ELECTRICAL SCHEMATIC : REF [1]

2.3 STORAGE TEMPERATURE RANGE : −25°C TO +75°C (−13°F TO +167°F)

3.0 CALIBRATION

3.1 CALIBRATION IS REFERENCED TO A LABORATORY STANDARD MAGNET. THIS STANDARD IS MEASURED BY THE NUCLEAR MAGNETIC RESONANCE (NMR) TECHNIQUE, WHICH IS BASED ON ACCEPTED VALUES OF NATURAL PHYSICAL CONSTANTS.

3.2 PROBES ARE CALIBRATED TO INDICATED ACCURACY OVER THE SPECIFIED RANGES WHEN USED WITH THE APPROPRIATE F.W. BELL GAUSSMETER.

3.3 GAUSSMETER ERRORS MUST BE ADDED TO PROBE LINEARITY ERRORS TO OBTAIN OVERALL MEASURING ACCURACY.

4.0 SPECIAL PROBES

4.1 ELECTRICAL AND/OR PHYSICAL REQUIREMENTS NOT COVERED BY STANDARD PROBES MAY BE FURNISHED AS SPECIAL PROBES.

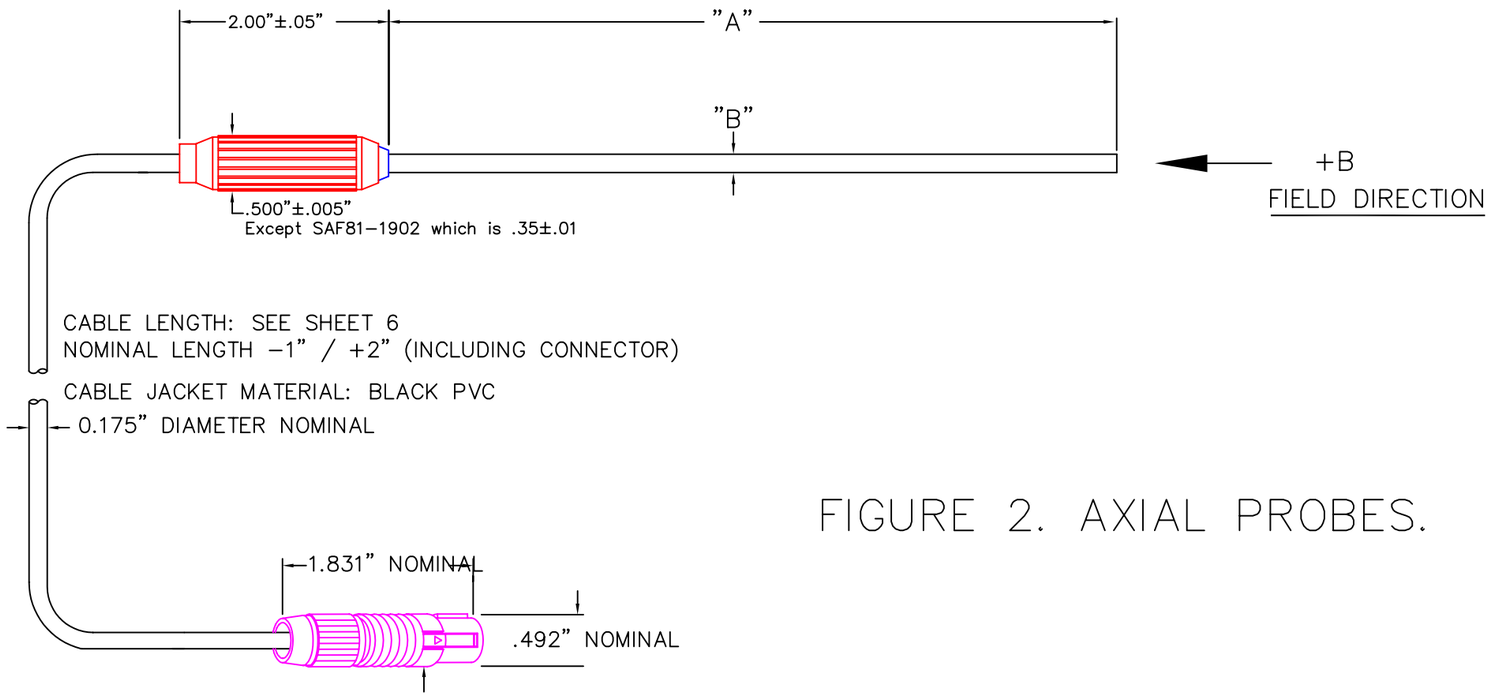
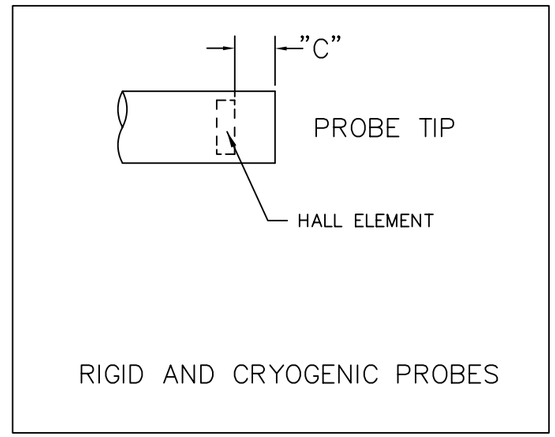


FIGURE 2. AXIAL PROBES.



CONNECTOR MANUFACTURER: NEUTRIK USA
INSERT: PA 6.6, BLACK COLOR, UL 94V-0 RATED, NEUTRIK P.N. MMI
HOUSING: CuZn39Pb3/ZnAl4Cu1 SATIN CHROMIUM PLATED, NEURIK P.N. MSC
CONTACTS: CuZn39Pb3/CuZn35Pb2/CuSn6 – 0.2um AuCo, NEUTRIK P.N. MPS

REF	QTY	ITEM NO.	DRAWING NO.	DESCRIPTION	
			F.W. BELL	SHEET NO. 3	DWG NO. U1-6276 REV —

SPECIFICATIONS MAGNA PROBE LOW FIELD PROBES

GENERAL DESCRIPTION

1.0 THE 8000 SERIES MAGNA PROBES ARE A HALL EFFECT, FLUX MAGNIFIER TYPE OF FIELD SENSOR USEFUL FOR INDICATION, MEASUREMENT AND ANALYSIS OF WEAK MAGNETIC FIELDS WHEN UTILIZED WITH THE APPROPRIATE F.W. BELL GAUSSMETER. BOTH STATIC D.C. AND TIME–VARYING FIELDS CAN BE MEASURED WITH A 100 TIMES INCREASE IN SENSITIVITY. BOTH AMPLITUDE AND FIELD DIRECTION CAN BE OBTAINED AS WELL AS MEASUREMENTS OF SMALL CHANGES IN MAGNETIC FIELDS OF LOW AMPLITUDE AND GENERAL NOISE FIELD APPLICATION.
THE MAGNA PROBE IS DESIGNED FOR USE IN RELATIVELY UNIFORM, HOMOGENOUS MAGNETIC FIELDS (3 CU. FT. MIN) WHERE GRADIENTS ARE LOW WITH RESPECT TO PROBE DIMENSIONS.

2.0 ELECTRICAL AND PHYSICAL SPECIFICATIONS

2.1 SENSITIVITY – ALL MAGNA PROBES FEATURE A 100X SENSITIVITY INCREASE.

2.2 PROBE RANGE – 0 TO ±2 GAUSS

2.3 LINEARITY – ±0.5 % OF READING

2.4 RESIDUAL FLUX – ±2% OF F.S (F.S.= ±2 GAUSS)

2.5 FREQUENCY RESPONSE – DC TO 400 HERTZ

2.6 ELECTRICAL SCHEMATIC – REF [1]

2.7 STORAGE TEMP. RANGE – 0° TO + 75° C

2.8 WEIGHT – NET: 10 OZ
SHIPPING: 1 LB

3.0 CALIBRATION

3.1 CALIBRATION IS REFERENCED TO A LABORATORY STANDARD SOLENOID COIL. THIS STANDARD IS TRACEABLE TO INTERNATIONAL MAGNETIC LOW FIELD STANDARDS.

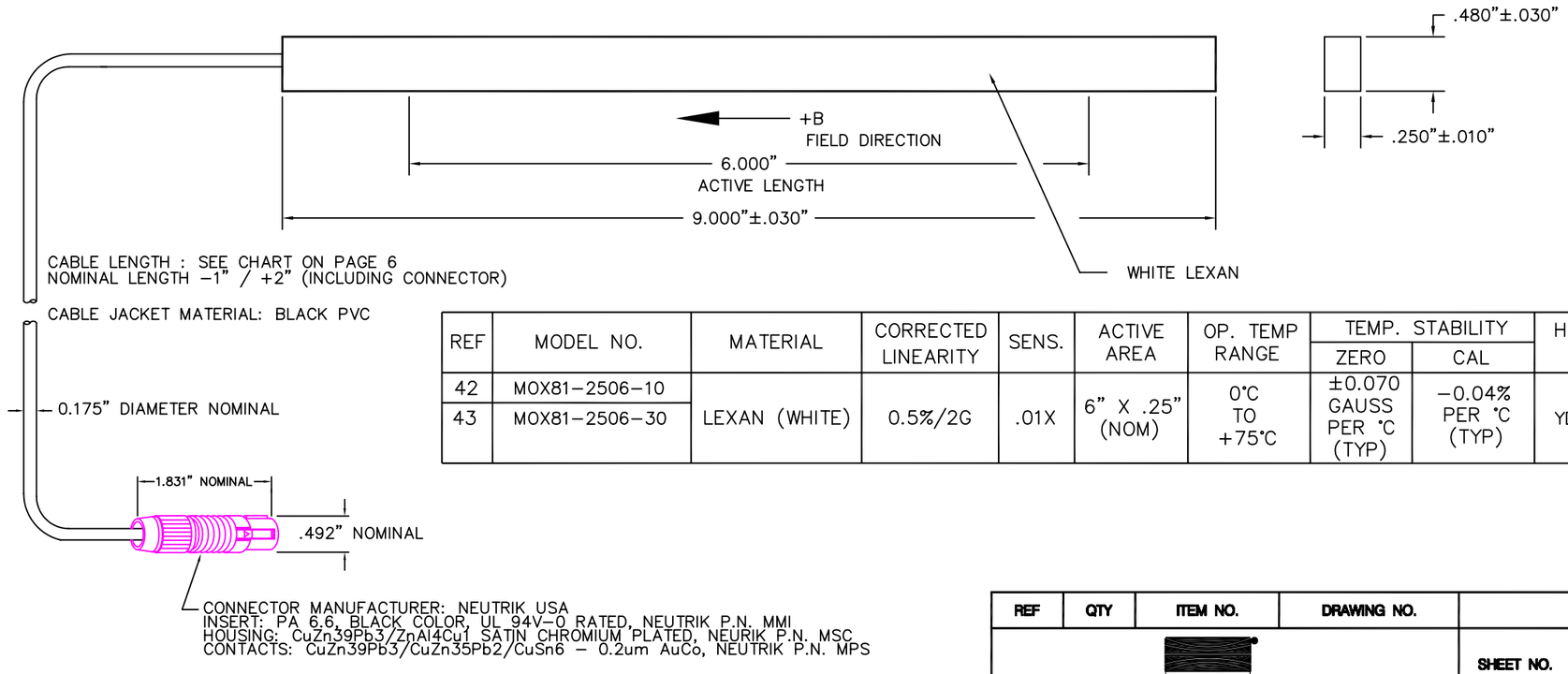
3.2 PROBES ARE CALIBRATED TO INDICATED ACCURACY OVER THE SPECIFIED GAUSS RANGE WHEN USED WITH THE APPROPRIATE F. W. BELL GAUSSMETER. USE BEYOND THESE RANGES WILL SHOW LINEARITY ERROR GREATER THAN THE SPECIFICATIONS.

3.3 GAUSSMETER ERRORS MUST BE ADDED TO PROBE LINEARITY ERRORS TO OBTAIN OVERALL MEASURING ACCURACY.

4.0 SPECIAL PROBES

4.1 ELECTRICAL AND/OR PHYSICAL REQUIREMENTS NOT COVERED BY STANDARD PROBES MAY BE FURNISHED AS SPECIAL PROBES.

FIGURE 3. MAGNA PROBES



REF	MODEL NO.	MATERIAL	CORRECTED LINEARITY	SENS.	ACTIVE AREA	OP. TEMP RANGE	TEMP. STABILITY		HALL DEVICE TYPE	FREQUENCY RESPONSE	TEMPERATURE COMPENSATED
							ZERO	CAL			
42	MOX81–2506–10	LEXAN (WHITE)	0.5%/2G	.01X	6" X .25" (NOM)	0°C TO +75°C	±0.070 GAUSS PER °C (TYP)	–0.04% PER °C (TYP)	YD–2381–008	DC TO 400 HERTZ	NO
43	MOX81–2506–30										

REF	QTY	ITEM NO.	DRAWING NO.	DESCRIPTION	
		F.W. BELL	SHEET NO. 4	DWG NO. U1-6276	REV —

SPECIFICATIONS LOW FIELD AXIAL PROBE

GENERAL DESCRIPTION

1.0 THE MOS81–3204 LOW FIELD PROBE IS A MINIATURE FLUXGATE MAGNETOMETER WITH HIGH RESOLUTION USEFUL FOR INDICATION, MEASUREMENT, AND ANALYSIS OF WEAK MAGNETIC FIELDS WHEN UTILIZED WITH APPROPRIATE F.W. BELL GAUSSMETER. BOTH STATIC D.C. AND TIME–VARYING FIELDS CAN BE MEASURED WITH A 1000 TIMES INCREASE IN SENSITIVITY COMPARED TO STANDARD 1X PROBE. BOTH AMPLITUDE AND FIELD DIRECTION CAN BE OBTAINED AS WELL AS MEASUREMENTS OF SMALL CHANGES IN MAGNETIC FIELDS OF LOW AMPLITUDE AND GENERAL NOISE FIELD APPLICATION. THE LOW FIELD PROBE IS DESIGNED FOR USE IN RELATIVELY UNIFORM, HOMOGENOUS MAGNETIC FIELDS (0.25 CU. FT. MIN) WHERE GRADIENTS ARE LOW WITH RESPECT TO PROBE DIMENSIONS.

2.0 ELECTRICAL AND PHYSICAL SPECIFICATIONS

2.1 SENSITIVITY – PROBES FEATURE A 1000X SENSITIVITY INCREASE.

2.2 PROBE RANGE – 0 TO ±1 GAUSS DC or peak AC

2.3 LINEARITY – ±0.5 % OF READING AT 23°C

2.4 FREQUENCY RESPONSE – DC TO 750 Hz (–3dB point typical)

2.5 STORAGE TEMPERATURE – –40° TO + 85° C

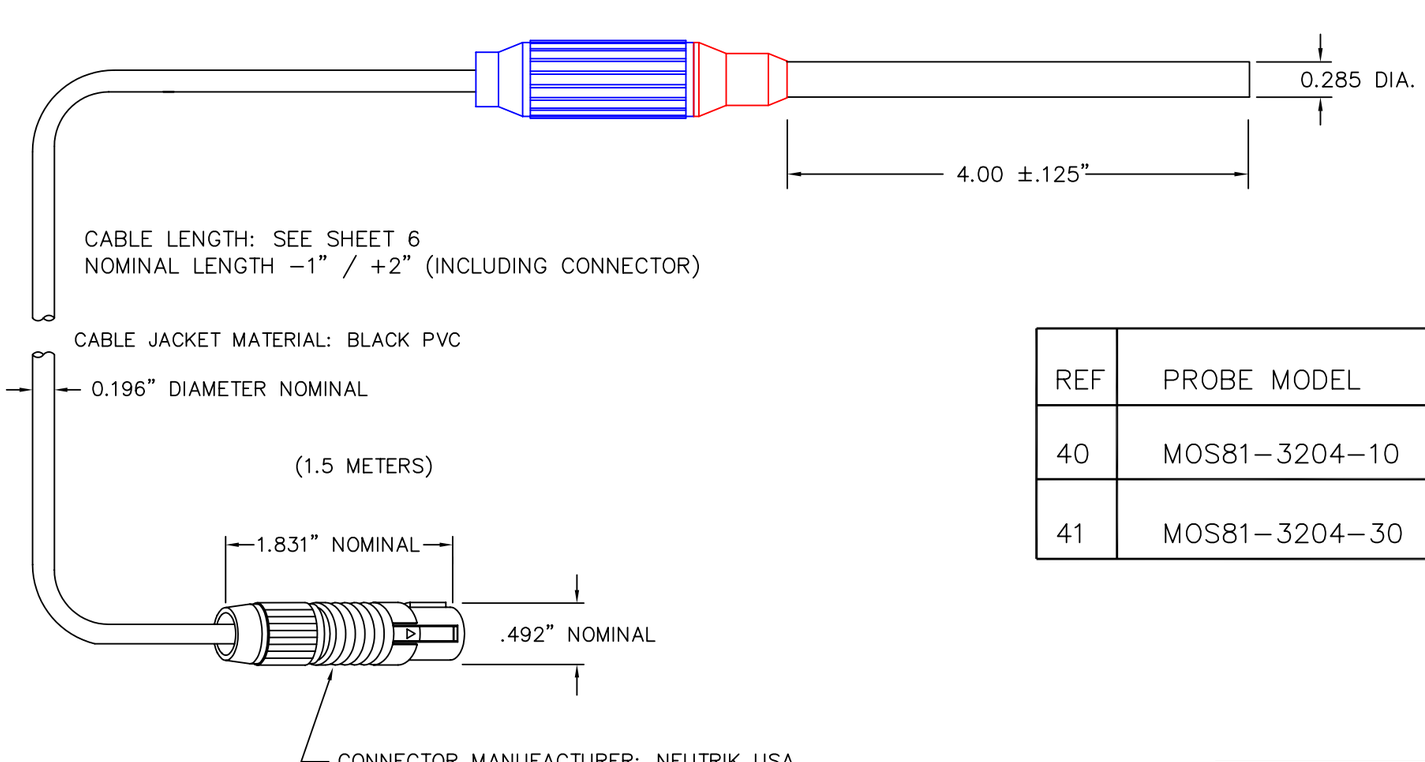
2.6 WEIGHT – NET: 5 OZ
SHIPPING: 1 LB

3.0 CALIBRATION

3.1 CALIBRATION IS REFERENCED TO A STANDARD LABORATORY SOLENOID COIL. THIS COIL IS TRACEABLE TO INTERNATIONAL MAGNETIC LOW FIELD STANDARDS.

3.2 PROBES ARE CALIBRATED TO INDICATED ACCURACY OVER THE SPECIFIED FIELD LEVELS WHEN USED WITH THE APPROPRIATE F. W. BELL GAUSSMETER. USE BEYOND THESE LEVELS WILL SHOW LINEARITY ERROR GREATER THAN THE SPECIFICATIONS.

3.3 GAUSSMETER ERRORS MUST BE ADDED TO PROBE LINEARITY ERRORS TO OBTAIN OVERALL MEASURING ACCURACY.



REF	PROBE MODEL	ACTIVE AREA	OP. TEMP RANGE	TEMP. STABILITY	
				ZERO	CAL
40	MOS81–3204–10	.024in 2	0°C TO +75°C	±0.0005 GAUSS/°C	–0.05 %/°C
41	MOS81–3204–30				

REF	QTY	ITEM NO.	DRAWING NO.	DESCRIPTION		
		F.W. BELL		SHEET NO. 5	DWG NO. U1-6276	REV —

PROBE MODEL CHARACTER DEFINITION

For reference only. Not all combinations are possible or presently in production.

HTF81-0608-10-T

PROBE STYLE
- S – STANDARD
- H – HEAVY DUTY
- F – FLEXIBLE STEM
- P – PHENOLIC
- C – CRYOGENIC
- M – MAGNA PROBE
- Z – 3 AXIS

PROBE TYPE
- A – AXIAL
- T – TRANSVERSE
- 0 – NOT APPLICABLE

ELECTRICAL PERFORMANCE

A –	0.25%	10kG	1X
D –	0.5%	30kG	1X
F –	0.25%	30kG	1X
M –	0.15%	30kG	10X
P –	1.00%	30kG	10X
R –	1.00%	100kG	10X
U –	2.00%	100kG	10X
X –	0.5%	2G	.01X
S –	0.5%	1G	.001X

8000 SERIES GAUSSMETER
- 81 – 1–AXIS
- 83 – 3–AXIS

PROBE STEM OUTSIDE DIAMETER or THICKNESS

AXIAL
- 06 – .060 INCH
- 18 – .180 INCH
- 19 – .187 INCH
- 25 – .250 INCH
- 32 – .312 INCH

TRANSVERSE
- 02 – .020 INCH
- 04 – .040 INCH
- 06 – .060 INCH

PROBE STEM LENGTH
- 02 – 2 INCH
- 04 – 4 INCH
- 06 – 6 INCH
- 08 – 8 INCH
- 60 – 60 INCH

CABLE LENGTH
- 10 – 10 FEET
- 30 – 30 FEET

TEMPERATURE COMPENSATION
- T – YES
- BLANK – NO

NOTES:

1. Electrical Performance defined as:
   a. xx% = Corrected Linearity deviation over specified range.
      Initial absolute accuracy at the calibration reference point is typically <50% of this value.
   b. xxkG = ±Magnetic flux density range for specified accuracy; for example −30kG to +30kG
   c. 1X, 10X etc. = Relative sensitivity factor defined by internal sensor material or configuration.
      For reference only. All range scaling is automatically performed by the gaussmeter.
2. MOS model probes are 0.5% to ±1G for 8000 series, compared to 1.0% for others such as the 5100 Series.

REF	QTY	ITEM NO.	DRAWING NO.	DESCRIPTION		
		F.W. BELL		SHEET NO. 6	DWG NO. U1-6276	REV —

TABLE 1. ELECTRICAL SPECIFICATIONS FOR TRANSVERSE PROBES

REF	MODEL NO.	"A" ±.063"	"B"	"C"	"D"	MATERIAL	CORRECTED LINEARITY	SENS	ACTIVE AREA ±.002"	OP. TEMP RANGE	UNCOMPENSATED TEMP. STABILITY ZERO (GAUSS/°C) TYPICAL	UNCOMPENSATED TEMP. STABILITY CAL (%/°C) TYPICAL	HALL DEVICE TYPE	FREQ. RESP. DC TO:	TEMPERATURE COMPENSATED
2	HTF81-0604-10	4"	0.180" ±.003"	0.060" +.000" -.004"	0.150" ±0.020"	ALUMINUM 3003 3/4 FH	0.25%/30kG	1X	0.070" DIA.	0°C TO +75°C	±0.090	-0.040	YD-2381-003	20 kHz	NO
3	HTF81-0604-10-T												YB-3913-001		YES *
4	HTF81-0608-10	8"											YD-2381-003		NO
5	HTF81-0608-10-T												YB-3913-001		YES *
6	HTM81-0608-10						0.15%/30kG	10X	0.040"		±0.130	±0.005	YD-2381-005	400 Hz	NO
7	HTM81-0608-10-T												YB-3913-007		YES *
11	STF81-0404-10	4"	0.156" ±.004"	0.042" ±.004"		POLY-PROPYLENE	0.25%/30kG	1X	0.070" DIA.		±0.090	-0.040	YB-3913-005	20 kHz	NO
12	STF81-0404-10-T												YB-3913-006		YES *
8	STF81-0402-10	2"											YB-3913-005		NO
9	STF81-0402-10-T												YB-3913-006		YES *
10	STF81-0402-30-T														
13	STM81-0402-10						0.15%/30kG	10X	0.040" DIA.		±0.130	±0.005	YB-3913-008	400 Hz	NO
14	STM81-0402-10-T												YB-3913-007		YES *
15	STM81-0404-10	4"											YB-3913-008		NO
16	STM81-0404-10-T												YB-3913-007		YES *
48	HTR81-0608-10	8"	0.180" ±.003"	0.060" +.000" -.004"		ALUMINUM 3003 3/4 FH							YD-2381-003		NO
38	CTP81-3260-10	60"	0.312" ±.005" (DIAMETER)	N/A	0.320" ±0.063"	STAINLESS STEEL	2.0%/100kG 1.0%/30kG	10X	0.040" DIA.	-269°C TO +75°C	±0.130	±0.010	YD-2381-007	DC ONLY	NO

REF	MODEL NO.	"A" ±.063"	"B"	"C"	"D"	"E"	"F"	"G"	"H"	"I"	"J"	MATERIAL	CORRECTED LINEARITY	SENS	ACTIVE AREA ±.002	OP. TEMP RANGE	UNCOMPENSATED TEMP. STABILITY ZERO (GAUSS/°C) TYPICAL	UNCOMPENSATED TEMP. STABILITY CAL (%/°C) TYPICAL	HALL DEVICE TYPE	FREQ. RESP. DC TO:	TEMPERATURE COMPENSATED
17	STF81-0204-10	4"	0.155" ±.005"	0.040" +.002" -.009"	0.130" ±0.008"	0.375" ±0.063"	0.130" ±0.003"	0.020" ±0.003"	N/A	N/A	N/A	FLEXIBLE RUBBER EXPOSED ELEMENT	0.25%/30kG	1X	0.070" DIA.	0°C TO +75°C	±0.090	-0.040	YD-2381-003	20kHz	NO
18	STF81-0204-10-T								0.053" ±0.005"	0.025" ±0.003"	0.192" ±0.032"								YB-3913-006		YES *
19	FTM81-0215-10-T	15"	0.100" ±.005"	N/A								VINYL FIBERGLASS EXPOSED ELEMENT	0.15%/30kG	10X	0.040" DIA.		±0.130	±0.005	YB-3913-010	400Hz	

*Temperature Compensated probes have reduced error associated with changes in probe tip temperature. The amount of improvement varies somewhat depending on probe type, with typical results as follows:

Probe Type	Calibration	Zero Offset
1X Probes	-.02%/°C	±0.06G/°C (±6mT/°C)
10X Probes	-.003%/°C	±0.085G/°C (±8.5mT/C)

REF	QTY	ITEM NO.	DRAWING NO.	DESCRIPTION		
		F.W. BELL		SHEET NO. 7	DWG NO. U1-6276	REV —

TABLE 2. ELECTRICAL SPECIFICATIONS FOR AXIAL PROBES

REF	MODEL NO.	"A" ±.063"	"B"	"C"	STEM MATERIAL	CORRECTED LINEARITY	SENS	ACTIVE AREA	OP. TEMP RANGE	UNCOMPENSATED TEMP. STABILITY ZERO (GAUSS/°C) TYPICAL	UNCOMPENSATED TEMP. STABILITY CAL (%/°C) TYPICAL	HALL DEVICE TYPE	FREQ. RESP. DC TO:	TEMPERATURE COMPENSATED
37 **	SAA81-0604-10	4"	0.06",±.005"	0.01",±.002"	ALUMINUM 3003 3/4 FH	0.25%/10kG	1X	0.005"	0°C TO +75°C	±0.120	-0.080	JB-1158	10 kHz	NO
20	HAF81-2504-10		0.250" ±.005"	0.015" ±.004"		0.25%/30kG		0.030" DIA. ±.001		±0.090	-0.040	YD-2384-004	20 kHz	NO
21	HAF81-2504-10-T											YB-3913-002		YES *
22	HAF81-2508-10	8"										YD-2384-004		NO
23	HAF81-2508-10-T											YB-3913-002		YES *
24	HAM81-2504-10	4"				0.15%/30kG	10X			±0.130	±0.005	YD-2384-010	400 HZ	NO
25	HAM81-2504-10-T											YB-3913-011		YES *
26	HAM81-2508-10	8"										YD-2384-010		NO
27	HAM81-2508-10-T											YB-3913-011		YES *
28	SAF81-1904-10	4"	0.187" +.002" -.007"			0.25%/30kG	1X			±0.090	-0.040	YD-2384-007	20 kHz	NO
29	SAF81-1904-10-T											YB-3913-003		YES *
30	SAF81-1908-10	8"										YD-2384-007		NO
31	SAF81-1908-10-T											YB-3913-003		YES *
32	SAF81-1902-10-T	2"												YES *
33	SAM81-1904-10	4"				0.15%/30kG	10X			±0.130	±0.005	YD-2384-013	400 HZ	NO
34	SAM81-1904-10-T											YB-3913-012		YES *
35	SAM81-1908-10	8"										YD-2384-013		NO
36	SAM81-1908-10-T											YB-3913-012		YES *
46	HAR81-2508-10		0.250" ±.005"			1%/100kG						YD-2384-030		NO
47	SAR81-1908-10		0.187" +.002" -.007"									YD-2384-033		
44 **	PAA81-1908-10		0.187",±.005"	0.250",±.015"	PHENOLIC	0.25%/10kG	1X	0.040"		±0.090	-0.040	JB-1021	50 kHz	
39	CAP81-2560-10	60"	0.250" ±.005"	0.250" ±0.063"	STAINLESS STEEL		10X	0.030" DIA. (NOM)	-269°C TO +75°C	±0.130	-0.010	YD-2384-016	DC ONLY	

*Temperature Compensated probes have reduced error associated with changes in probe tip temperature. The amount of improvement varies somewhat depending on probe type, with typical results as follows:

Probe Type	Calibration	Zero Offset
1X Probes	-.02%/°C	±0.06G/°C (±6mT/°C)
10X Probes	-.003%/°C	±0.085G/°C (±8.5mT/C)

REF	QTY	ITEM NO.	DRAWING NO.	DESCRIPTION
		F.W. BELL	SHEET NO. 8	DWG NO. U1-6276 REV —