

# CUSTOMER DATA SHEET

1. CUSTOMER \_\_\_\_\_
2. SALES ORDER # \_\_\_\_\_ SERIAL # 112
3. Natural Frequency, adjustable from 0.75 Hz to 1.1 Hz vertical and horizontal. Instrument set for 1 Hz operation.
4. Main Coil resistance, 9.327 K ohms.
5. Main Coil part number 55549-01-01.
6. Instrument CDR, 75158 ohms at 1.0 Hz.
7. CDR calculated for open circuit damping,  $\lambda_0 =$  10122.
8. Main coil generator constant, 2159.8 ~~Volt-sec/ Weber~~ Newtons/Ampere
9. Calibration coil motor constant, 5.10 Newtons/Ampere

79.3K / 2H = C1  
(2.4E)

716.3K

Source: Test Instructions 990-55400-6100.

Date: 12-15-87

By: B. Deaton

75158 - 9327 =  
7

98,041  $\Omega$



APPLICATION		REVISIONS				
NEXT ASSY.	USED ON	LTR	ECN. NO.	DESCRIPTION	DATE	APPROVED
55400	55400	-	-	RELEASE NO. 55400	880610	C. H. Bunker


- CUSTOMER \_\_\_\_\_
- SALES ORDER # \_\_\_\_\_ SERIAL # 129
- Natural Frequency, adjustable from 0.75 Hz to 1.1 Hz vertical and horizontal.  
Instrument set for 1 Hz operation.
- Main coil resistance, 9249 ohms
- Main coil part no. -01
- Instrument CDR, 82887.8 ohms at 1.0 Hz.
- Open circuit damping, .0132
- Main coil generator constant, 2302.5 Volt-sec/Meter
- Calibration coil motor constant, 4.95 Newtons/Ampere
- Calibration Coil Resistance, 30.02 ohms

Source: Test Instructions 990-55400-6100

Date: 7-27-88

By: B. Deaton

82887.8 118410 - 9091  
7 10916152

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			CONTRACT NO.		 <b>TELEDYNE GEOTECH</b> 3401 SHILOH ROAD/GARLAND, TEXAS 75041	
TOLERANCES			DRAWN	DATE		
FRACTIONS	DECIMALS	ANGLES	CHECK	880606	TITLE	
±	±	±	YCF/ML	06/06/88		
MATERIAL			PROTOTYPE	1ST PRODUCTION	CUSTOMER DATA SHEET - GS-13 SEISMOMETER	
			PRODUCTION	06/10/88		
FINISH			QUALITY		SIZE	FSCM NO.
			GEOTECH		A	99019
			CUSTOMER		DWG. NO.	990-55400-9600
					SCALE	SHEET 1 OF 1

990-55400-9600

APPLICATION		REVISIONS			
NEXT ASSY.	USED ON	LTR	ECN. NO	DESCRIPTION	DATE
55400	55400	-	-	RELEASE NO. 55400	220610
		A	42455	ADDED LINE 10	220208

1. CUSTOMER \_\_\_\_\_ SERIAL # 261
2. SALES ORDER # \_\_\_\_\_
3. Natural Frequency, adjustable from 0.75 Hz to 1.1 Hz vertical and horizontal.  
Instrument set for 1.00 operation.
4. Main coil resistance, 925.8 ohms
5. Main coil part no. 990-555490101
6. Instrument CRR, 83874 ohms at 1.0 Hz.
7. Open circuit damping, 100.636
8. Main coil generator constant, 2288 Volt-sec/Meter
9. Calibration coil motor constant, 5.12 Newtons/Ampere
10. Calibration Coil Resistance, 29.5 ohms

Source: Test Instructions 990-55400-6100

Date: 10/13/89By: George R. Gentry

110,562

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			CONTRACT NO. _____		TELEDYNE GEOTECH 3401 SHILOH ROAD/GARLAND, TEXAS 75041	
TOLERANCES			DRAWN <u>RF</u>	DATE <u>8/30/86</u>	TITLE	
FRACTIONS	DECIMALS	ANGLES	CHECK <u>RF</u>	DATE <u>09/06/89</u>	CUSTOMER DATA SHEET -	
$\pm$	$\pm$	$\pm$	PROTOTYPE		GS-13 SEISMOMETER	
MATERIAL			1ST PRODUCTION	DATE <u>06/10/88</u>		
			PRODUCTION			
FINISH			GEOTECH		SIZE <u>A</u>	FSCM NO. <u>99019</u>
			CUSTOMER		DWG. NO. <u>990-55400-9600</u>	
SCALE					SHEET 1 OF 1	

# CUSTOMER DATA SHEET

1. CUSTOMER \_\_\_\_\_
2. SALES ORDER # \_\_\_\_\_ SERIAL # 115
3. Natural Frequency, adjustable from 0.75 Hz to 1.1 Hz vertical and horizontal. Instrument set for 1 Hz operation.
4. Main Coil resistance, 9.261 K ohms.
5. Main Coil part number 55549-01-01.
6. Instrument CDR, 73455.8 ohms at 1.0 Hz.
7. CDR calculated for open circuit damping,  $\lambda_0 =$  10/66.
8. Main coil generator constant, 2130.4 ~~Volt-Cm/Ampere~~ <sup>Newtons/Ampere</sup>
9. Calibration coil motor constant, 5.096 Newtons/Ampere

Source: Test Instructions 990-55400-6100.

Date: 12-15-87

$$\frac{CDR}{.7} - COIL \Omega = DAM RE$$

By: B. Decker

95.6 K $\Omega$   
DAMPING

CUSTOMER DATA SHEET

1. CUSTOMER \_\_\_\_\_
2. SALES ORDER # \_\_\_\_\_ SERIAL # 111
3. Natural Frequency, adjustable from 0.75 Hz to 1.1 Hz vertical and horizontal. Instrument set for 1 Hz operation.
4. Main Coil resistance, 9.100 K ohms.
5. Main Coil part number 55549-01-01.
6. Instrument CDR, 73239.9 ohms at 1.0 Hz.
7. CDR calculated for open circuit damping,  $\lambda_0$ , = .0137.
8. Main coil generator constant, 2130 ~~Volt-Coul/Meter~~ <sup>Newton/Ampere</sup>
9. Calibration coil motor constant, 5.09 Newtons/Ampere

Source: Test Instructions 990-55400-6100.

Date: 12-15-87

By: B Defer

95,527

# CUSTOMER DATA SHEET

1. CUSTOMER \_\_\_\_\_
2. SALES ORDER # \_\_\_\_\_ SERIAL # 114
3. Natural Frequency, adjustable from 0.75 Hz to 1.1 Hz vertical and horizontal. Instrument set for 1 Hz operation.
4. Main Coil resistance, 8.978 K ohms.
5. Main Coil part number 55549-01-01.
6. Instrument CDR, 72564.8 ohms at 1.0 Hz.
7. CDR calculated for open circuit damping,  $\lambda_0 =$  0.52.
8. Main coil generator constant, 2118.9 ~~Volt-Cm/Ampere~~ Newtons/Ampere
9. Calibration coil motor constant, 5.12 Newtons/Ampere

Source: Test Instructions 990-55400-6100.

Date: 12-15-87

By: B. Dejan

94684  
DAMPING

990-55400-9600

APPLICATION		REVISIONS				
NEXT ASSY.	USED ON	LTR	ECN. NO	DESCRIPTION	DATE	APPROVED
55400	55400	-	-	RELEASE NO. 55400	220610	C. Hinkle
		A	42455	ADDED LINE 10	220208	C. Hinkle

1. CUSTOMER
2. SALES ORDER # SERIAL # 293
3. Natural Frequency, adjustable from 0.75 Hz to 1.1 Hz vertical and horizontal.  
Instrument set for 1.00 operation.
4. Main coil resistance, 9330 ohms
5. Main coil part no. 990-55549010
6. Instrument CPR, 87642 ohms at 1.0 Hz.
7. Open circuit damping, 100622
8. Main coil generator constant, 2339 Volt-sec/Meter
9. Calibration coil motor constant, 4.83 Newtons/Ampere
10. Calibration Coil Resistance, 29.5 ohms
- Source: Test Instructions 990-55400-6100
- Date: 9-22-89
- By: George R. Garry

110K  
DAMP

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			CONTRACT NO.		TELEDYNE GEOTECH 3401 SHILOH ROAD/GARLAND, TEXAS 75041	
TOLERANCES			DRAWN	DATE	TITLE	
FRACTIONS	DECIMALS	ANGLES	RF	8/30/89	CUSTOMER DATA SHEET -	
±	±	±	CHECK	09/05/89	GS-13 SEISMOMETER	
MATERIAL			PROTOTYPE	1ST PRODUCTION	SIZE	
			RF Brown	08/10/88	FSCM NO.	
FINISH			PRODUCTION		DWG. NO.	
			QUALITY		990-55400-9600	
			GEOTECH		SHEET 1 OF 1	
			CUSTOMER		SCALE	

990-55400-9600

APPLICATION		REVISIONS				
NEXT ASSY.	USED ON	LTR	ECN. NO	DESCRIPTION	DATE	APPROVED
55400	55400	-	-	RELEASE NO. 55400	220610	C. Hamilton
		A	42455	ADDED LINE 10	220808	C. Hamilton

1. CUSTOMER

2. SALES ORDER #

SERIAL # 288

3. Natural Frequency, adjustable from 0.75 Hz to 1.1 Hz vertical and horizontal.  
Instrument set for 1.00 operation

4. Main coil resistance, 92.78 ohms

5. Main coil part no. 990-555490101

6. Instrument CFR, 88561 ohms at 1.0 Hz.

7. Open circuit damping, 10081

8. Main coil generator constant, 2344 Volt-sec/Meter

9. Calibration coil motor constant, 5.25 Newtons/Ampere

10. Calibration Coil Resistance, 24.0 ohms

Source: Test Instructions 990-55400-6100

Date: 9-25-87

By: George R. J. [Signature]

$$\begin{array}{r} \text{CDR - Cal Resist.} \\ 88561 - 9278 = 117238 \\ \hline 7 \end{array}$$

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			CONTRACT NO.		TELEDYNE GEOTECH 3401 SHILOH ROAD/GARLAND, TEXAS 75041	
TOLERANCES			DRAWN <u>RF</u>	DATE <u>8/30/88</u>	TITLE	
FRACTIONS	DECIMALS	ANGLES	CHECK <u>RF</u>	<u>09/05/88</u>	CUSTOMER DATA SHEET -	
$\pm$	$\pm$	$\pm$	PROTOTYPE		GS-13 SEISMOMETER	
MATERIAL			1ST PRODUCTION	<u>08/10/88</u>		
			PRODUCTION			
			QUALITY		SIZE	FSCM NO.
			GEOTECH		A	99019
			CUSTOMER		DWG. NO.	990-55400-9600
FINISH				SCALE	SHEET 1 OF 1	



990-55400-9600

APPLICATION		REVISIONS				
NEXT ASSY.	USED ON	LTR	ECN. NO	DESCRIPTION	DATE	APPROVED
55400	55400	-	-	RELEASE NO. 55400	120610	C. Hinkle
		A	42455	ADDED LINE 10	220208	C. Hinkle

1. CUSTOMER \_\_\_\_\_
2. SALES ORDER # \_\_\_\_\_ SERIAL # 296
3. Natural Frequency, adjustable from 0.75 Hz to 1.1 Hz vertical and horizontal.  
Instrument set for 1.00 operation.
4. Main coil resistance, 9348 ohms
5. Main coil part no. 990-555490101
6. Instrument CPR, 88256 ohms at 1.0 Hz.
7. Open circuit damping, .0165
8. Main coil generator constant, 2335 Volt-sec/Meter
9. Calibration coil motor constant, 5.20 Newtons/Ampere
10. Calibration Coil Resistance, 29.0 ohms

Source: Test Instructions 990-55400-6100

Date: 9-22-89By: George R. Gunning88256 - 9348 = 1167327

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			CONTRACT NO.		TELEDYNE GEOTECH 3401 SHILOH ROAD/GARLAND, TEXAS 75041	
TOLERANCES			DRAWN <u>RF</u>	DATE <u>03/06/90</u>	TITLE	
FRACTIONS	DECIMALS	ANGLES	CHECK <u>RF</u>	<u>06/06/90</u>	CUSTOMER DATA SHEET-	
$\pm$	$\pm$	$\pm$	PROTOTYPE		GS-13 SEISMOMETER	
MATERIAL			1ST PRODUCTION	<u>06/10/88</u>		
FINISH			PRODUCTION			
			QUALITY		SIZE <u>A</u>	FSCM NO. <u>99019</u>
			GEOTECH		DWG. NO. <u>990-55400-9600</u>	
			CUSTOMER		SHEET 1 OF 1	



APPLICATION		REVISIONS				
NEXT ASSY.	USED ON	LTR	ECN. NO.	DESCRIPTION	DATE	APPROVED
55400	55400	-	-	RELEASE NO. 55400	880610	C. H. Smith

- CUSTOMER \_\_\_\_\_
- SALES ORDER # \_\_\_\_\_ SERIAL # 131
- Natural Frequency, adjustable from 0.75 Hz to 1.1 Hz vertical and horizontal.  
Instrument set for 1 Hz operation.
- Main coil resistance, 9104 ohms
- Main coil part no. -01
- Instrument CDR, 83378.2 ohms at 1.0 Hz.
- Open circuit damping, 0.0126
- Main coil generator constant, 2309.3 Volt-sec/Meter
- Calibration coil motor constant, 4.95 Newtons/Ampere
- Calibration Coil Resistance, 29.38 ohms

Source: Test Instructions 990-55400-6100

Date: 7-27-88

By: B. H. H. H.

110,007

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			CONTRACT NO.		<b>TELEDYNE GEOTECH</b> 3401 SHILOH ROAD/GARLAND, TEXAS 75041	
<b>TOLERANCES</b>			DRAWN <u>gf</u>	DATE <u>880606</u>	<b>TITLE</b> CUSTOMER DATA SHEET- GS-13 SEISMOMETER	
FRACTIONS	DECIMALS	ANGLES	CHECK <u>127-30/1</u>	<u>06/06/88</u>		
±	±	±	PROTOTYPE			
MATERIAL			1ST PRODUCTION <u>27-30/1</u>	<u>06/10/88</u>		
FINISH			PRODUCTION		SIZE <b>A</b>	
			QUALITY		FSCM NO. <b>99019</b>	
			GEOTECH		DWG. NO. <b>990-55400-9600</b>	
			CUSTOMER		SCALE	
					SHEET 1 OF	



APPLICATION		REVISIONS				
NEXT ASSY.	USED ON	LTR	ECN. NO.	DESCRIPTION	DATE	APPROVED
55400	55400	-	-	RELEASE NO. 55400	880610	C. H. Bunk

- 1. CUSTOMER \_\_\_\_\_
  - 2. SALES ORDER # \_\_\_\_\_ SERIAL # 133
  - 3. Natural Frequency, adjustable from 0.75 Hz to 1.1 Hz vertical and horizontal.  
Instrument set for 1 Hz operation.
  - 4. Main coil resistance, 8990 ohms
  - 5. Main coil part no. -01
  - 6. Instrument CDR, 83566 ohms at 1.0 Hz.
  - 7. Open circuit damping, .0139
  - 8. Main coil generator constant, 2311.9 Volt-sec/Meter
  - 9. Calibration coil motor constant, 5.05 Newtons/ampere
  - 10. Calibration Coil Resistance, 29.63 ohms
- Source: Test Instructions 990-55400-6100
- Date: 7-29-88
- By: B. DeJong

3  
110K-Ω  
DAMP

87.21K/2M-CDR

90K 10M-CDR  
77.9K 0.1M-CDR

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			CONTRACT NO.		 3401 SHILOH ROAD/GARLAND, TEXAS 75041	
TOLERANCES			DRAWN gf	DATE 880606		
FRACTIONS ±	DECIMALS ±	ANGLES ±	CHECK 12/3/88	06/06/88	TITLE CUSTOMER DATA SHEET- GS-13 SEISMOMETER	
MATERIAL			1ST PRODUCTION 2/2/89	06/10/88		
FINISH			QUALITY GEOTECH		SIZE A	FSCM NO. 99019
			CUSTOMER		DWG. NO. 990-55400-9600	
SCALE				SHEET 1 OF 1		

0096-00455-066

APPLICATION		REVISIONS				
NEXT ASSY.	USED ON	LTR	ECN. NO	DESCRIPTION	DATE	APPROVED
55400	55400	-	-	RELEASE NO. 55400	280610	C. K. K. K.
		A	42455	ADDED LINE 10	280208	C. K. K. K.

1. CUSTOMER \_\_\_\_\_
2. SALES ORDER # \_\_\_\_\_ SERIAL # 283
3. Natural Frequency, adjustable from 0.75 Hz to 1.1 Hz vertical and horizontal.  
Instrument set for 1.00 operation.
4. Main coil resistance, 9335 ohms
5. Main coil part no. 990-555490101
6. Instrument CPR, 85200 ohms at 1.0 Hz.
7. Open circuit damping, 10081
8. Main coil generator constant, 2304 Volt-sec/Meter
9. Calibration coil motor constant, 5.15 Newtons/Ampere
10. Calibration Coil Resistance, 29.5 ohms
- Source: Test Instructions 990-55400-6100
- Date: 9-22-89
- By: George R. Goring

112K  
DAMP

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES:			CONTRACT NO.		TELEDYNE GEOTECH 3401 SHILOH ROAD/GARLAND, TEXAS 75041	
TOLERANCES			DRAWN	DATE	TITLE	
FRACTIONS	DECIMALS	ANGLES	CHECK	09/05/93	CUSTOMER DATA SHEET-	
±	±	±	PROTOTYPE		GS-13 SEISMOMETER	
MATERIAL			1ST PRODUCTION	06/10/93	SIZE	
FINISH			PRODUCTION		FSCM NO.	
			QUALITY		DWG. NO.	
			GEOTECH.		99019	
			CUSTOMER		990-55400-9600	
SCALE				SHEET 1 OF 1		

990-55400-9600

APPLICATION		REVISIONS				
NEXT ASSY.	USED ON	LTR	ECN. NO	DESCRIPTION	DATE	APPROVED
55400	55400	-	-	RELEASE NO. 55400	220610	C. Heindson
		A	42455	ADDED LINE 10	230208	C. Heindson

1. CUSTOMER \_\_\_\_\_
2. SALES ORDER # \_\_\_\_\_ SERIAL # 286
3. Natural Frequency, adjustable from 0.75 Hz to 1.1 Hz vertical and horizontal.  
Instrument set for 1.00 operation.
4. Main coil resistance, 92.74 ohms
5. Main coil part no. 990-555490101
6. Instrument CPR, 88149 ohms at 1.0 Hz.
7. Open circuit damping, 100855
8. Main coil generator constant, 2343 Volt-sec/Meter
9. Calibration coil motor constant, 5.146 Newtons/Ampere
10. Calibration Coil Resistance, 29.2 ohms

Source: Test Instructions 990-55400-6100

Date: 9-21-89By: George R. Jarry

CDR - COIL RESIST. = DRY  
Damping  
RESISTANCE  
EXT

88149 - 9274 = 116653

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			CONTRACT NO. _____		TELEDYNE GEOTECH 3401 SHILOH ROAD/GARLAND, TEXAS 75041	
TOLERANCES			DRAWN <u>gf</u>	DATE <u>8/30/90</u>	TITLE CUSTOMER DATA SHEET - GS-13 SEISMOMETER	
FRACTIONS	DECIMALS	ANGLES	CHECK <u>TFV</u>	<u>09/05/93</u>		
±	±	±	PROTOTYPE	1ST PRODUCTION	SIZE <u>A</u> FSCM NO. <u>99019</u> DWG. NO. <u>990-55400-9600</u>	
MATERIAL			PRODUCTION	QUANTITY		
FINISH			GEOTECH	CUSTOMER	SCALE _____ SHEET 1 OF 1	

990-55400-9600

APPLICATION		REVISIONS				
NEXT ASSY.	USED ON	LTR	ECN. NO	DESCRIPTION	DATE	APPROVED
55400	55400	-	-	RELEASE NO. 55400	280610	C. H. H. H.
		A	42455	ADDED LINE 10	280808	C. H. H. H.

1. CUSTOMER \_\_\_\_\_
2. SALES ORDER # \_\_\_\_\_ SERIAL # 292
3. Natural Frequency, adjustable from 0.75 Hz to 1.1 Hz vertical and horizontal.  
Instrument set for 1.00 operation.
4. Main coil resistance, 9362 ohms
5. Main coil part no. 990-555490101
6. Instrument CPR, 89883 ohms at 1.0 Hz.
7. Open circuit damping, 1.00850
8. Main coil generator constant, 23.66 Volt-sec/Meter
9. Calibration coil motor constant, 5.23 Newtons/Ampere
10. Calibration Coil Resistance, 29.1 ohms

Source: Test Instructions 990-55400-6100

Date: 9-22-89By: George J. Gamm89883 - 9362 =

.7

(119K)

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES:			CONTRACT NO.		TELEDYNE GEOTECH 3401 SHILOH ROAD/GARLAND, TEXAS 75041	
TOLERANCES			DRAWN <u>RF</u>	DATE <u>8/30/89</u>	TITLE	
FRACTIONS	DECIMALS	ANGLES	CHECK <u>RF</u>	<u>08/05/89</u>	CUSTOMER DATA SHEET-	
$\pm$	$\pm$	$\pm$	PROTOTYPE		GS-13 SEISMOMETER	
MATERIAL			1ST PRODUCTION	<u>08/10/89</u>	SIZE	
			PRODUCTION		FSCM NO.	
			QUALITY		DWG. NO.	
FINISH			GEOTECH		99019	
			CUSTOMER		990-55400-9600	
SCALE				SHEET 1 OF 1		

# REVISIONS

APPLICATION		LTR	ECN. NO	DESCRIPTION	DATE	APPROVED
NEXT ASSY.	USED ON					
55400	55400			RELEASE NO. 55400	220610	C. Hinder
		A	42455	ADDED LINE 10	220208	C. Hinder

- CUSTOMER
- SALES ORDER # SERIAL # 289
- Natural Frequency, adjustable from 0.75 Hz to 1.1 Hz vertical and horizontal. Instrument set for 1.00
- Main coil resistance, 905.7 ohms
- Main coil part no. 990-555490101
- Instrument CFR, 88549 ohms at 1.0 Hz.
- Open circuit damping, .0080
- Main coil generator constant, 2349 Volt-sec/Meter
- Calibration coil motor constant, 5.20 Newtons/Ampere
- Calibration Coil Resistance, 28.9 ohms

Source: Test Instructions 990-55400-6100

Date: 9-25-89

By: *George R. Gaining*

$$\frac{88549}{.7} = 126,498 - 905.7 = 117.4 K$$

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.			CONTRACT NO.		TELEDYNE GEOTECH 3401 SHILOH ROAD/GARLAND, TEXAS 75041	
TOLERANCES			DRAWN <i>RF</i>	DATE 8/30/86	TITLE CUSTOMER DATA SHEET- GS-13 SEISMOMETER	
FRACTIONS	DECIMALS	ANGLES	CHECK <i>RF</i>	DATE 09/06/93		
±	±	±	PROTOTYPE	1ST PRODUCTION <i>RF</i>	SIZE A FSCM NO. 99019 DWG. NO. 990-55400-9600	
MATERIAL			PRODUCTION	DATE 08/10/88		
FINISH			GEOTECH	CUSTOMER	SCALE SHEET 1 OF 1	

990-55400-9600

## REVISIONS

APPLICATION		LTR		ECN. NO	DESCRIPTION	DATE	APPROVED
NEXT ASSY.	USED ON						
55400	55400	-	-	-	RELEASE NO. 55400	220610	C. H. H. H.
		A	42455		ADDED LINE 10	220208	C. H. H. H.

1. CUSTOMER

2. SALES ORDER #

SERIAL #

295

3. Natural Frequency, adjustable from 0.75 Hz to 1.1 Hz vertical and horizontal.  
Instrument set for 1.00 operation.

4. Main coil resistance, 9124 ohms

5. Main coil part no. 990-555490101

6. Instrument CPR, 90074 ohms at 1.0 Hz.

7. Open circuit damping, .0106

8. Main coil generator constant, 2366 Volt-sec/Meter

9. Calibration coil motor constant, 5.17 Newtons/Ampere

10. Calibration Coil Resistance, 29.0 ohms

Source: Test Instructions 990-55400-6100

Date: 9-25-89

By:

*George H. H. H.*119.5K  
DAMPUNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES

## TOLERANCES

FRACTIONS	DECIMALS	ANGLES
$\pm$	$\pm$	$\pm$

MATERIAL

FINISH

CONTRACT NO.

DRAWN

rf

DATE

230606

CHECK

12/1/89

02/05/93

PROTOTYPE

1ST PRODUCTION

PRODUCTION

QUALITY

GEOTECH

CUSTOMER

TELEDYNE GEOTECH

3401 SHILOH ROAD/GARLAND, TEXAS 75041

TITLE

CUSTOMER DATA SHEET-

GS-13 SEISMOMETER

SIZE

A

FSCM NO.

99019

DWG. NO.

990-55400-9600

SCALE

SHEET 1 OF 1



990-55400-9600

APPLICATION		REVISIONS				
NEXT ASSY.	USED ON	LTR	ECN. NO	DESCRIPTION	DATE	APPROVED
55400	55400	-	-	RELEASE NO. 55400	220610	C. H. Wilson
		A	42455	ADDED LINE 10	220208	C. H. Wilson

1. CUSTOMER

2. SALES ORDER #

SERIAL #

285

3. Natural Frequency, adjustable from 0.75 Hz to 1.1 Hz vertical and horizontal.  
Instrument set for 1.00 operation.

4. Main coil resistance, 9252 ohms

5. Main coil part no. 990-555490101

6. Instrument CPR, 90041 ohms at 1.0 Hz.

7. Open circuit damping, .00772

8. Main coil generator constant, 2369 Volt-sec/Meter

9. Calibration coil motor constant, 5.20 Newtons/Ampere

10. Calibration Coil Resistance, 29.1 ohms

Source: Test Instructions 990-55400-6100

Date: 9-21-89

By:

George R. Jarry

90041

17

= 128630 - 125000 = 119.4K

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			CONTRACT NO.		TELEDYNE GEOTECH 3401 SHILOH ROAD/GARLAND, TEXAS 75041	
TOLERANCES			DRAWN	DATE	TITLE	
FRACTIONS	DECIMALS	ANGLES	GE	230606	CUSTOMER DATA SHEET -	
±	±	±	CHECK	09/06/89	GS-13 SEISMOMETER	
MATERIAL			PROTOTYPE	1ST PRODUCTION	SIZE	
			PRODUCTION	08/10/88	FSCM NO.	
FINISH			QUALITY		DWG. NO.	
			GEOTECH		990-55400-9600	
			CUSTOMER		SHEET 1 OF 1	

APPLICATION		REVISIONS				
NEXT ASSY.	USED ON	LTR	ECN. NO.	DESCRIPTION	DATE	APPROVED
55400	55400	-	-	RELEASE NO. 55400	880610	C. H. H. H.


- CUSTOMER \_\_\_\_\_
- SALES ORDER # \_\_\_\_\_ SERIAL # 132
- Natural Frequency, adjustable from 0.75 Hz to 1.1 Hz vertical and horizontal. Instrument set for 1 Hz operation.
- Main coil resistance, 9127 ohms
- Main coil part no. -01
- Instrument CDR, 83414.3 ohms at 1.0 Hz.
- Open circuit damping, 0.146
- Main coil generator constant, 2309.8 Volt-sec/Meter
- Calibration coil motor constant, 4.82 Newtons/Ampere
- Calibration Coil Resistance, 29.79 ohms

Source: Test Instructions 990-55400-6100

Date: 7-28-88

By: B. H. H. H.

110,035

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			CONTRACT NO.		 <b>TELEDYNE GEOTECH</b> 3401 SHILOH ROAD/GARLAND, TEXAS 75041	
TOLERANCES			DRAWN <u>gf</u>	DATE <u>8/06/88</u>		
FRACTIONS <u>±</u>	DECIMALS <u>±</u>	ANGLES <u>±</u>	CHECK <u>12/3/88</u>	<u>06/06/88</u>	TITLE CUSTOMER DATA SHEET-	
MATERIAL			PROTOTYPE	<u>06/10/88</u>	GS-13 SEISMOMETER	
FINISH			1ST PRODUCTION		SIZE <b>A</b>	FSCM NO. <b>99019</b>
			QUALITY		DWG. NO.	990-55400-9600
			GEOTECH		SHEET 1 OF 1	
			CUSTOMER		SCALE	

990-55400-9600

## REVISIONS

APPLICATION		LTR		ECN. NO	DESCRIPTION	DATE	APPROVED
NEXT ASSY.	USED ON				RELEASE NO. 55400	220610	C. Hinkle
55400	55400				ADDED LINE 10	220208	C. Hinkle
		A		42455			

1. CUSTOMER
2. SALES ORDER # SERIAL # 276
3. Natural Frequency, adjustable from 0.75 Hz to 1.1 Hz vertical and horizontal.  
Instrument set for 1.00 operation.
4. Main coil resistance, 9293 ohms
5. Main coil part no. 990-555490101
6. Instrument CPR, 87732 ohms at 1.0 Hz.
7. Open circuit damping, 100724
8. Main coil generator constant, 2339 Volt-sec/Meter
9. Calibration coil motor constant, 5.23 Newtons/Ampere
10. Calibration Coil Resistance, 29.4 ohms
- Source: Test Instructions 990-55400-6100
- Date: 10/16/89
- By: George R. Fanning
- CDR - COILS - EXT  
7 - DAMPING
- 87732 - 9293 = H/LR  
7

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			CONTRACT NO.		TELEDYNE GEOTECH 3401 SHILOH ROAD/GARLAND, TEXAS 75041	
TOLERANCES			DRAWN	DATE	TITLE	
FRACTIONS	DECIMALS	ANGLES	GE	09/06/92	CUSTOMER DATA SHEET -	
±	±.001	±	CHECK	09/06/92	GS-13 SEISMOMETER	
MATERIAL			PROTOTYPE	1ST PRODUCTION	DWG. NO.	
			PRODUCTION	06/10/93	990-55400-9600	
FINISH			QUALITY	GEOTECH.	SIZE	FSCM NO.
			CUSTOMER		A	99019
					SCALE	SHEET 1 OF

990-55400-9600

APPLICATION			REVISIONS			
NEXT ASSY.	USED ON	LTR	ECN. NO	DESCRIPTION	DATE	APPROVED
55400	55400	-	-	RELEASE NO. 55400	220610	C. H. Hinton
		A	42455	ADDED LINE 10	220208	C. H. Hinton

1. CUSTOMER \_\_\_\_\_
2. SALES ORDER # \_\_\_\_\_ SERIAL # 265
3. Natural Frequency, adjustable from 0.75 Hz to 1.1 Hz vertical and horizontal.  
Instrument set for 1.00 operation
4. Main coil resistance, 9235 ohms
5. Main coil part no. 990-555490101
6. Instrument CPR, 87538 ohms at 1.0 Hz.
7. Open circuit damping, .00674
8. Main coil generator constant, 2337 Volt-sec/Meter
9. Calibration coil motor constant, 5.20 Newtons/Ampere
10. Calibration Coil Resistance, 29.4 ohms

Source: Test Instructions 990-55400-6100

Date: 10/16/89By: George R. Jancy

115,819

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			CONTRACT NO. _____		TELEDYNE GEOTECH 3401 SHILOH ROAD/GARLAND, TEXAS 75041	
TOLERANCES			DRAWN <u>RF</u>	DATE <u>08/06/93</u>	TITLE	
FRACTIONS	DECIMALS	ANGLES	CHECK <u>RF</u>	<u>08/06/93</u>	CUSTOMER DATA SHEET-	
$\pm$	$\pm$	$\pm$	PROTOTYPE		GS-13 SEISMOMETER	
MATERIAL			1ST PRODUCTION	<u>08/10/88</u>	SIZE	
			PRODUCTION		FSCM NO.	
			QUALITY		DWG. NO.	
FINISH			GEOTECH		A 99019	
			CUSTOMER		990-55400-9600	
SCALE				SHEET 1 OF 1		

990-55400-9600

APPLICATION				REVISIONS			
NEXT ASSY.	USED ON	LTR	ECN. NO	DESCRIPTION	DATE	APPROVED	
55400	55400	-		RELEASE NO. 55400	220610	C. Hinson	
		A	42455	ADDED LINE 10	220208	C. Hinson	
<p>1. CUSTOMER</p> <p>2. SALES ORDER # SERIAL # <u>291</u></p> <p>3. Natural Frequency, adjustable from 0.75 Hz to 1.1 Hz vertical and horizontal. Instrument set for <u>1.00</u> operation.</p> <p>4. Main coil resistance, <u>9250</u> ohms</p> <p>5. Main coil part no. <u>990-555490101</u></p> <p>6. Instrument CPR, <u>95558</u> ohms at 1.0 Hz.</p> <p>7. Open circuit damping, <u>0.01776</u></p> <p>8. Main coil generator constant, <u>2353</u> Volt-sec/Meter</p> <p>9. Calibration coil motor constant, <u>5.146</u> Newtons/Ampere</p> <p>10. Calibration Coil Resistance, <u>29.2</u> ohms</p> <p>Source: Test Instructions 990-55400-6100</p> <p>Date: <u>9-21-89</u></p> <p>By: <u>George R. Goring</u></p> <p style="text-align: right;"> <u>CDR</u> - Coil Resist. = DLY  <u>7</u> DAMPING  <u>RESIST</u>  <u>95558 - 9250 = 127261</u> </p>							

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			CONTRACT NO.		TELEDYNE GEOTECH	
TOLERANCES			DRAWN <u>RF</u>	DATE <u>03/06/93</u>	3401 SHILOH ROAD/GARLAND, TEXAS 75041	
FRACTIONS	DECIMALS	ANGLES	CHECK <u>RF</u>	TITLE	CUSTOMER DATA SHEET-	
$\pm$	$\pm$	$\pm$	PROTOTYPE	GS-13 SEISMOMETER		
MATERIAL			1ST PRODUCTION <u>RF</u>	SIZE	FSCM NO.	DWG. NO.
			PRODUCTION	<u>A</u>	<u>99019</u>	<u>990-55400-9600</u>
FINISH			GEOTECH.	SCALE		
			CUSTOMER	SHEET 1 OF 1		