MAY 13, 1999

DESIGN DATA TRANSMITTAL
99283

EHP
C-130(HPF & HPFC)
NORMAL FORCE

SAMTEC

APPROVED BY: MAX PEEL
PRESIDENT

CONTECH RESEARCH, INC.

Contech Research

CERTIFICATION

This is to certify that the evaluation described herein was designed and executed by personnel of Contech Research, Inc. It was performed with the concurrence of Samtec, of New Albany, IN who was the test sponsor.

All equipment and measuring instruments used during testing were calibrated and traceable to NIST according to ISO 10012-1 and ANSI/NCSL Z540-1, as applicable.

All data, raw and summarized, analysis and conclusions presented herein are the property of the test sponsor. No copy of this report, in part or in full, shall be forwarded to any agency, customer, etc., by Contech Research without the written approval of the test sponsor.

Max Peel
President

MP:dl

ID#	Next Cal	Last Cal	Equipment Name	Manufacturer	Model #	Serial #	Accuracy	Freq.Cal
53	9/15/99	3/15/99	Load Cell 10 Pound	Daytronic	152A-10	182	±1% Full Scale	6 mon.
92			NF Fixture	BK Tool & MFG	N/A	N/A	±.0005"	N/A
93			6 Volt Power Supply	Contech Research	N/A	N/A	N/A	N/A
203			Stereo Scope	Bausch & Lomb	N/A	N/A	N/A	N/A
455	8/10/99	2/10/99	Digital Multi Meter Unit	Keithley Co.	199	392203	See Manual	6 mon.
487			Computer	Twilight Co.	386-40	N/A	N/A	N/A
631	9/15/99	3/15/99	LVDT Condt.Amp.	Daytronics Corp.	3230	S04888	See Owners Man.	6 mon.
683			Plotter	Hewlett Packard	7470A	2308A85161	N/A	N/A

TEST RESULTS

PROJECT NO.: 99283	SPECIFICATION: N/A
PART NO.: C-130(HPF&HPFC)	PART DESCRIPTION: CONTACT
SAMPLE SIZE: FIVE	TECHNICIAN: MB
START DATE: 5-12-99	COMPLETE DATE: 5-12-99
ROOM AMBIENT: 22°C	RELATIVE HUMIDITY: 34%
EQUIPMENT ID#: 53, 92, 93, 203, 455, 487, 631, 683	

NORMAL FORCE

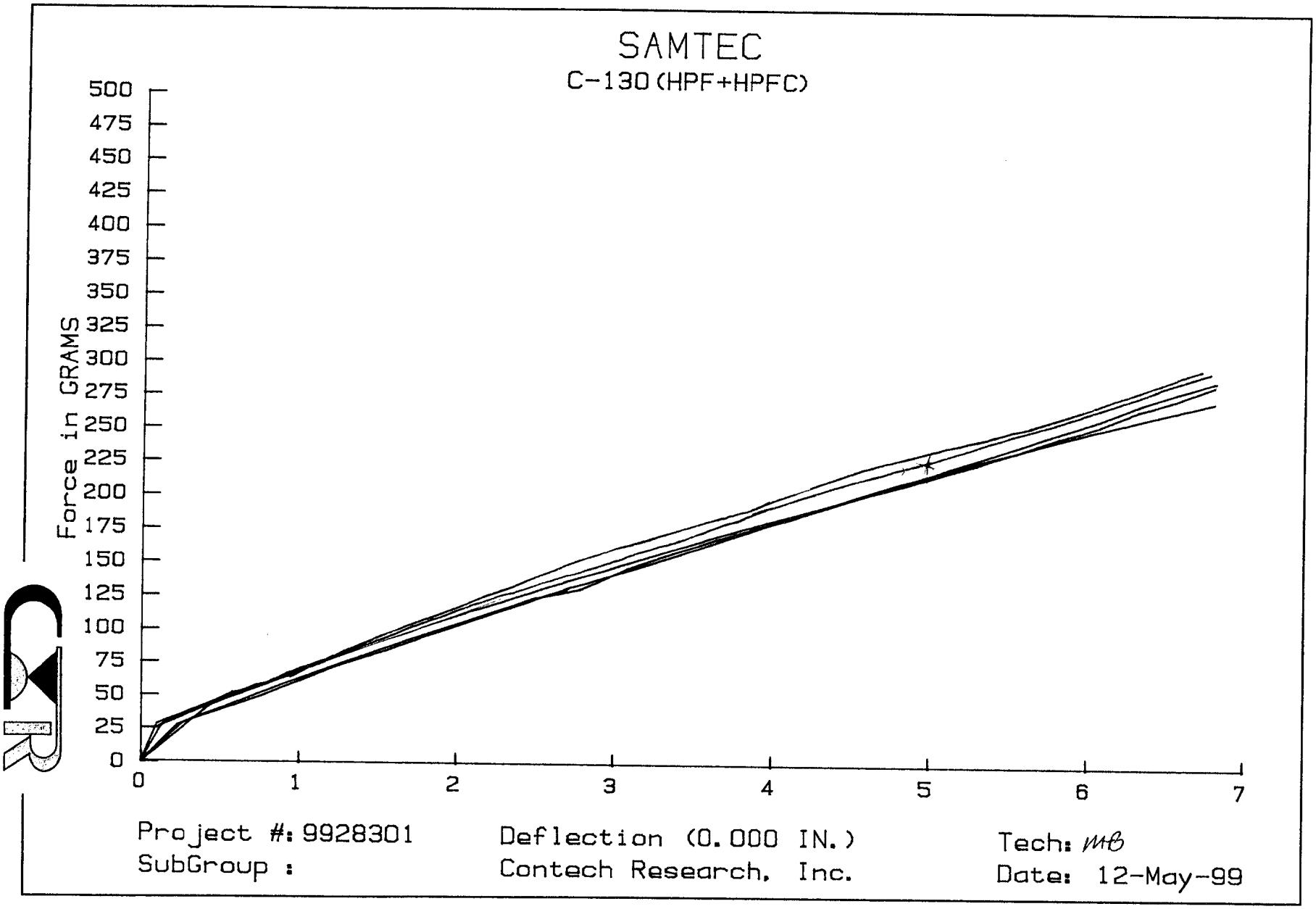
1. The test was performed in accordance with EIA 364, TP 04.

2. The test was performed with the contact outside of its plastic housing, but supported in a manner to simulate assembly to the housing.

3. The force/deflection characteristic is shown in Figure # 9928301.

4. The spring rate of the contact system tested was 45 to 47 grams/0.001" deflection.

5. Permanent set as measured at the maximum deflection level tested is considered negligible being less than 0.0001 inch.



Contech Research