

SCOT ELECTRICAL PRODUCTS

LVDT TEST DATA SHEET

JOB # 1093

P/N 05-LVDT-A01-45-101

S/N 1004

DATE 12/3/05

Vin (7.06 - 7.08) 7.07 Vrms

Iin (28 ma max) 15.8 ma

Null (20 mv max) -0.006 mv

Const Sec sum V (4.227 - 4.672) 4.347 Vrms

Fin (2950-3250) 3106 Hz

Pin (0.2 VA max) 0.112 VA

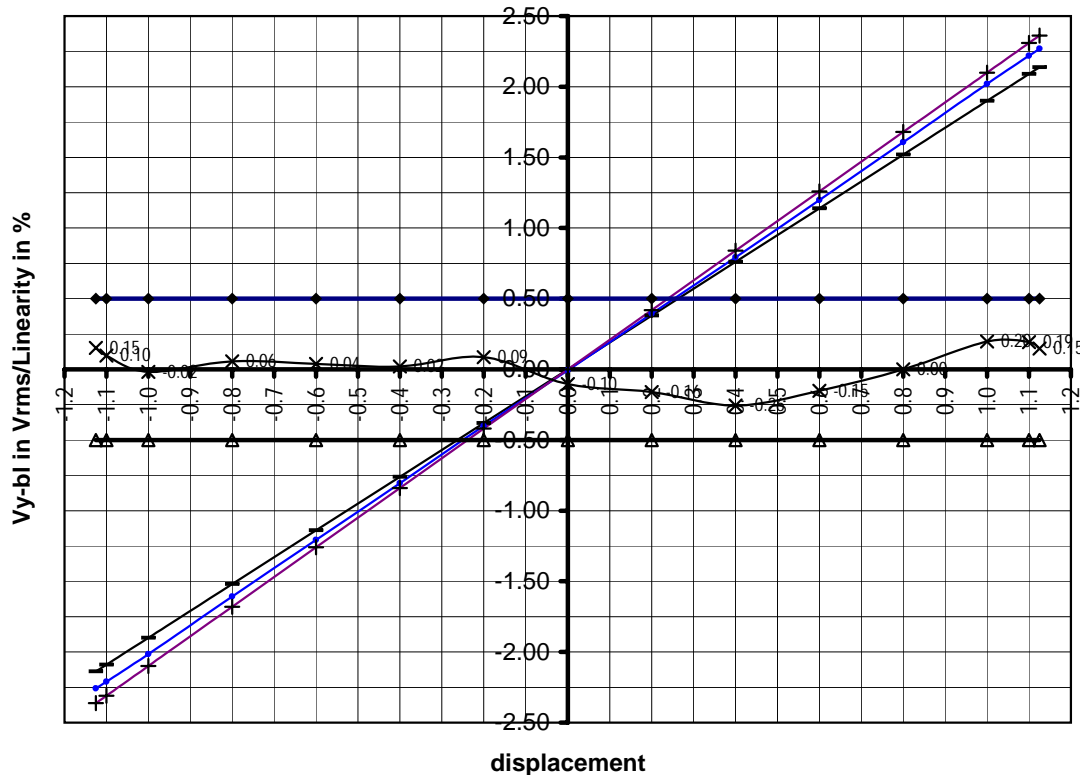
Zin (408 - 612) 446.4 Ohm

Winding to case passed 1050 Vrms 60Hz 1 min.

Pri to Sec passed 1051 Vrms 60Hz 1 min.

Winding to case passed 100 megohm min 500Vdc 2 min.

SCOT LVDT



Data normalized to Vin 7.07 Vrms FR Vrms= 4.5264
 Max Error for +/- 0.5% Linearity = 0.0226 Vrms

DISP	Vy-b	Best Fit	Error	% Linearity
-1.125	-2.258	-2.265	0.007	0.152
-1.100	-2.210	-2.215	0.004	0.098
-1.000	-2.014	-2.014	-0.001	-0.019
-0.800	-1.609	-1.611	0.003	0.057
-0.600	-1.207	-1.209	0.002	0.039
-0.400	-0.806	-0.806	0.001	0.020
-0.200	-0.400	-0.404	0.004	0.086
0.000	-0.006	-0.002	-0.005	-0.103
0.200	0.394	0.401	-0.007	-0.160
0.400	0.792	0.803	-0.012	-0.255
0.600	1.199	1.206	-0.007	-0.151
0.800	1.608	1.608	0.000	0.000
1.000	2.019	2.010	0.009	0.197
1.100	2.220	2.211	0.009	0.192
1.125	2.268	2.262	0.007	0.147