

REF. NO. *812*

TITLE

TEST PROCEDURE

POWER SUPPLY - ROSEMOUNT TRANSDUCER

P3K-AL-0542-A01

CONT ON SHEET 2

SH NO. 1

FIRST MADE FOR TB. 170X484

EHC TEST

10 FEB 1984

REVISIONS

I. PURPOSE

* The purpose of this specification is to convey information to test the Power Supply - Rosemount Transducer, Assy. no. 137D3036G1, and 137D3051G1.

II. DOCUMENTS PERTAINING TO THIS SPECIFICATION

- A. Voltage Regulator - U6041AA Pt1
B. Power Supply - U6028AL Pt1
C. Pressure Transducer - U5151 Pt1

9-4

III. EQUIPMENT NEEDED TO TEST

- A. DC Voltmeter - 30 VDC 1% (M1) D. Variac - 0-120 VAC (V1)
B. Potentiometer - 2 Kohm 1 Watt (R1) E. AC Voltmeter - 0-150VAC (M3)
C. DC Ammeter - 50 ma 1% (M2)

IV. CIRCUIT DESCRIPTION

The circuit board consists of a small 28 VDC power supply and a voltage regulator. The 115 VAC power is fed into this power supply, changed to 28 VDC, and regulated by the U6041AA.

V. TEST SPECIFICATIONS

- A. Connect the circuit board as per Figure 1 or 2. *
B. Close S1. Adjust V1 for 120 VAC at M3.
C. Adjust VR1 until M1 reads 25 ± 0.5 volts.
D. Adjust V1 until M3 reads 105 ± 1 VAC
E. Read M1. It shall read 25 ± 0.5 volts.
F. Adjust V1 until M3 reads 132 ± 1 VAC
G. Read M1. It shall read 25 ± 0.5 volts.
H. Close S2.
I. Adjust R1 until M2 reads 40 ± 1 ma.
J. Adjust V1 until M3 reads 120 ± 1 VAC.
K. Read M1. It shall read 25 ± 0.5 ~~VAC~~ VDC
L. Read M2. It shall read 40 ± 1 ma.
M. Adjust V1 until M3 reads 105 ± 1 VAC.
N. Read M2. It shall read 40 ± 1 ma.

VI. The test results shall be recorded in the Test Record Sheet.

NOTE: If any parameter does not meet the called-out value, stop testing and notify Control Engineering.

ACTIVE FOR G1
BY ADC DATE 3-3-95

REVISIONS
15 1979
* chgs made

@ PAULIA DEC 10 1981
NO CHGS THIS SH.

273-2
273-12
273-138
273-221
273-227
273-71
PRINTS TO

MADE BY
D.Mone Jan. 17, 1977
ISSUED
JAN 17 1977

APPROVALS

Turbine Engineering

DIV OR
DEPT.

P3K-AL-0542-A01

Schenectady, New York

LOCATION

CONT ON SHEET 3

SH NO. 1

770

12

TITLE

CONT ON SHEET 4

SH NO. 3

P3K-AL-0542-A01

TEST PROCEDURE

POWER SUPPLY - ROSEMOUNT TRANSDUCER

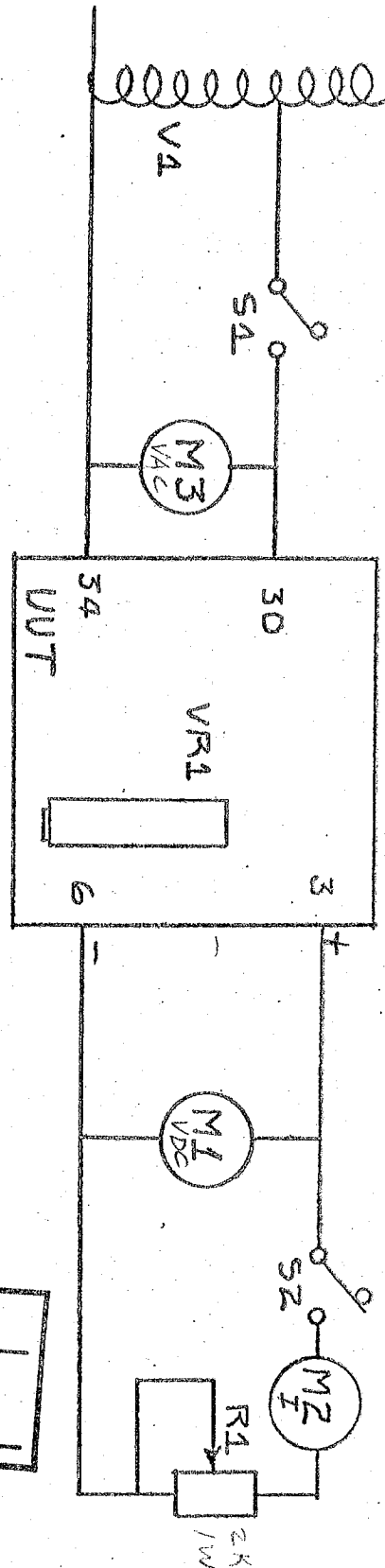
CONT ON SHEET 4

SH NO. 3

FIRST MADE FOR

TB. 170X484

FIGURE 2 - 137D 3051G1



ACTIVE FOR _____
BY _____ DATE _____

REVISIONS

JUN 15 1979
REVISOR: J. SPENCER
REVISED & RETYPED

APPROVED: J. SPENCER
NO CHG. THIS SHT.

PRINTS TO

MADE BY D. MONE JAN. 17, 1977

APPROVALS

Steam Turbine

DIV OR DEPT.

P3K-AL-0542-A01

ISSUED

JUN 15 1979

Schenectady, N.Y.

LOCATION

CONT ON SHEET 4

SH NO. 3

REV NO. 012
P3K-AL-0542-A01
CONT ON SHEET — SH NO. 4

TITLE
TEST PROCEDURE
POWER SUPPLY - ROSEMOUNT TRANSDUCER
FIRST MADE FOR TB. 170X484

CONT ON SHEET — SH NO. 4

PREPARED BY: Charles J. Barrigher DATE 12/30/76
C.J. Barrigher
EHC DESIGN ENGINEERING
08 12/4/81

APPROVED BY: P.C. Callan DATE 1-11-77
P.C. Callan - Manager
EHC DESIGN ENGINEERING

REVIEWED BY: C. Bugg DATE 1/3/77
C. Bugg
EHC TEST ENGINEER

REVISIONS
UN 15 1979
was Ant #3
3 DEC 1981
NO CHG. THIS SHL.

MADE BY
D. Mone Jan. 17, 1977
ISSUED
JAN 17 1977

APPROVALS

Steam Turbine
Schenectady, N.Y.

DIV OR DEPT.
P3K-AL-0542-A01
LOCATION
CONT ON SHEET — SH NO. 4