

Instrumentation Laboratory
Massachusetts Institute of Technology
Cambridge, Massachusetts

Digital Dev. Memo #252 Addition 1

To: Eldon Hall
From: Donald Bowler
Date: 24 August 1965
Subj: Attitude Hand Controller

At a meeting in July at GAEC, MIT was informed that the hand controller specification had changed. In particular the outputs specified on page 2 of D.D. Memo #252 will be changed as follows:

Null voltage	30 mv rms max., load <u>10K</u> .
Quadrature	10 mv rms max., load <u>10K</u> .
Scale Factor	2.8 volts \pm 0.14 volts rms at 11° hand controller position, load <u>10K</u> ohms.

This change will only result in a different nominal value of R_s (now around 90K) (page 7). The range previously specified (NASA Dwg. #2005020)^S will be sufficient.

The easiest way to account for this change is to setup the source voltage during test so as to generate 100 mv (or 2.8 volts) across a 10K load (simulating the 2K 86° source) and then switch the hand controller electronics on and choose the selected resistors.

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