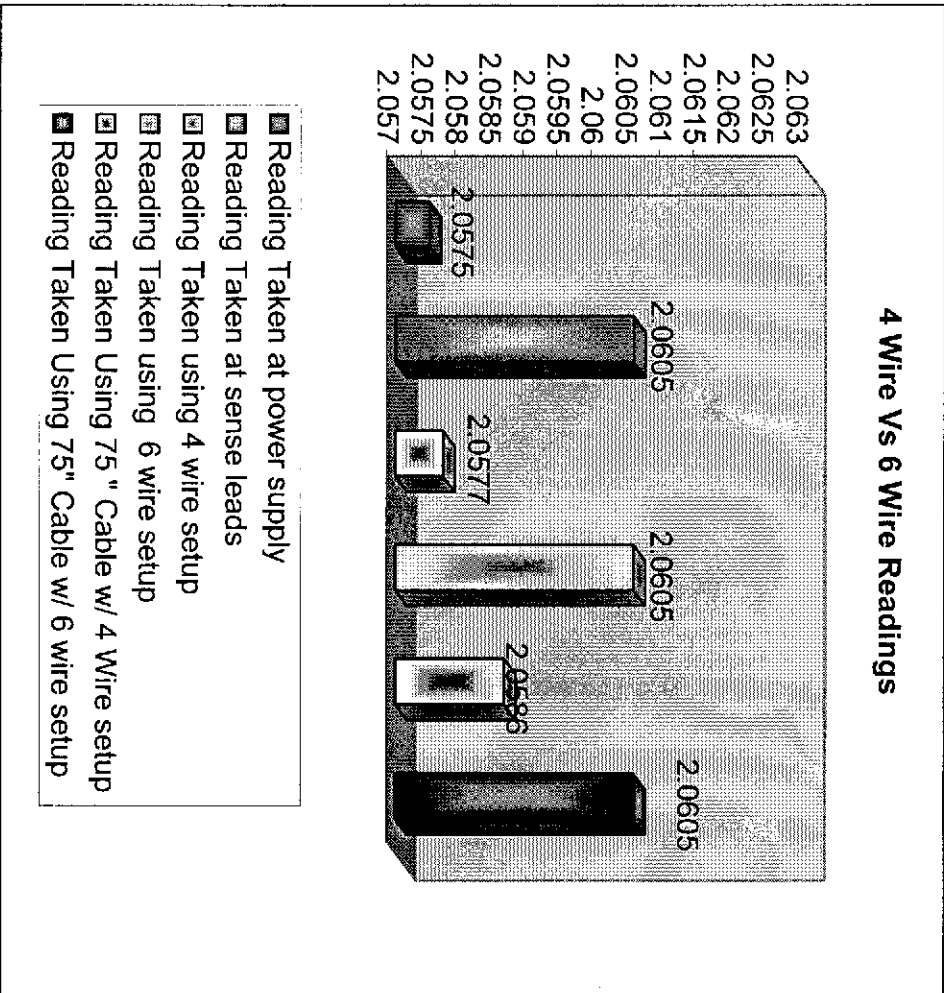


4 lead Vs 6 Lead Wire with 114" vs 75" Cable using Interface 1000 LBF Load Cell

HP TEST W 1000 LBF Interface Load Cell loaded to 1000 LBF

Reading Taken at power supply	10.0823
Load Cell Reading	2.0575
Reading Taken at sense leads	10.0677
Load Cell Reading	2.0605
Load Cell Signal	20.745
Reading Taken using 4 wire setup	2.0577
Reading Taken using 6 wire setup	2.0605
Reading Taken Using 75 " Cable w/ 4 Wire setup	2.0586
Reading Taken Using 75" Cable w/ 6 wire setup	2.0605



Note: All measurements were taken loading a 1000 LBF Interface Load Cell in compression s/n 85729A performed 03/04/03
 Also on 03/05/03 The load cell was calibrated in Tension and then Compression the reading at 1000 LBF force in compression was 2.0569 M/V

Conclusion: Using different lengths of 4 wire cable can yield significant differences in output. If the transducers output is sensed at the connector the readings become more consistent using various lengths of cable.