

THE MEASUREMENT OF TOTAL PRESSURE, C-130

Basic Measurements, C-130

static pressure PSFD, PSFRD

- absolute sensors
- ± 0.1 mb (Parascientific Model 1000)

dynamic pressure QCF, QCRF

- differential sensors, total vs static
- ± 0.05 mb

pitot tube performance

- typical sensitivity $< 1\%$ at angles up to 10° , 0.2% up to 5° .
- mean orientation chosen along expected flow direction, not centerline