BMET only on DMS

Consists of

- Pitot/Static Tube
  with 1 dynamic pressure sensor
  (analog)
  and 2 static pressure sensors
  (1x analog R.fast,
  1x digit, 18 slow, but
  more precise)

- Rosemount TAT Probe
  (PT 100 element in
  heated housing)
  analog data (resistance in Ω)
  to be corrected for airflow
  effect and deicing heatfire effect

- Vaisala Humicap HMT 333
  humidity sensor in heated
  Rosemount housing
  (Relative Humidity
  output):
    + Relative Humidity
      at the Sensor Element
    + Temperature at the
      sensor element

ADC on DMS and M-300

Thommen AC32 (Polar 6!)
sends digital
data via ARINC 429 bus:

- Pressure Altitude in feet
- Mach number
- True Airspeed
- Indicated airspeed
- Static Air Temperature
- Static Pressure

(PT 100 element in
heated housing)

Polar 5 has a
different ADC!

AIMMS 20

- 5-Hole Probe
- Static Pressure
- Temp. Sensor
- Humidity Sensor
- 2 GPS Rec.
- 2 INS

USB Stick
Raw Data
(binary)
[to M-300
or Windows
PC]

Serial output

40 Hz

1-2 Hz

Temperature
Humidity
Static Pressure
Ind. & True Airspeed
Mach 6
slip angle
Position
Altitude

total
pressure

static

diff Pres

Diff Pres.