

Rake Specification Check List

United Sensor will recommend the most economical and effective Rake design based upon the following information:

1. Type of measurements required

Total Pressure _____
Static Pressure _____
Total Temperature _____
Other (please specify) _____

2. Measurements of individual elements

Individual Readout _____
Averaged _____

3. Approximate Operating Conditions

Maximum Temperature _____
Maximum Velocity _____
Minimum Velocity _____
Flow angle variation \pm ___ ° from axes of measurement impact holes
Type of Fluid being measured _____

4. Size and shape of Flow Passage (please include sketch if irregular shape) showing desired points of cross section to be measured and type of measurement at each point.

5. Flange Size and Shape (sketch if necessary) _____

6. Maximum access hole size _____

6A. Flow passage wall thickness (sketch if necessary) _____

7. Take-off type size limits, and direction of take-off (if important)

For pressure measurement

Straight tubes (adequate for lower temperatures and pressures)

_____ Compression Fitting (Recommend for higher temperatures / pressures)

For Temperature Measurement

T/C extension wire _____

T/C plug _____

Other connector _____

(please specify)

8. Type of readout (Manometer, Transducer, etc.) _____



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