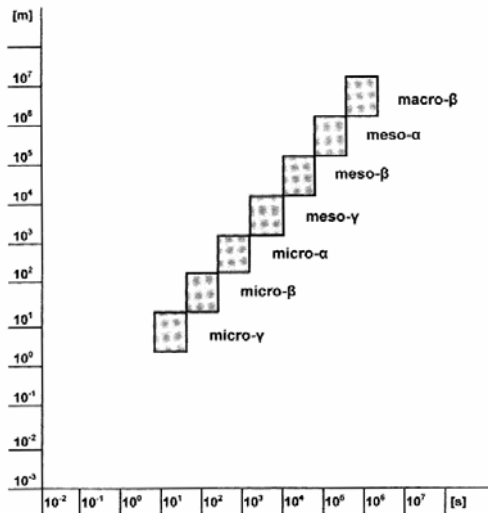
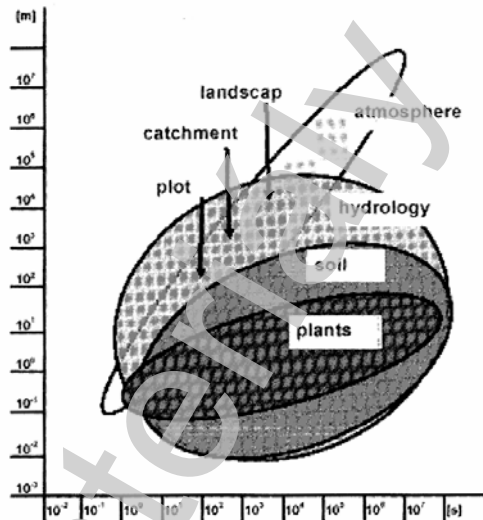


Definice prostoru a procesů v krajině

Atmosférické procesy



Ostatní procesy



Měřicí systém a velikost prostoru / procesů

Table 6.2. Assignment of direct and remote measuring systems to meteorological scales (the grey shading shows the degree of scale assignment)

measuring system	macro	meso			micro		
	β	α	β	γ	α	β	γ
radio sonde							
boundary layer sonde							
tower > 100 m							
mast < 50 m							
turbulence measuring technique							
satellite (vertical resolved)							
wind profiler							
Sodar							
RASS							
LIDAR							

Vstupní parametry modelů (prostor / procesy)

Table 6.3. Assignment of scales of models to the necessary resolution of input parameters (the grey shading shows the degree of scale assignment)

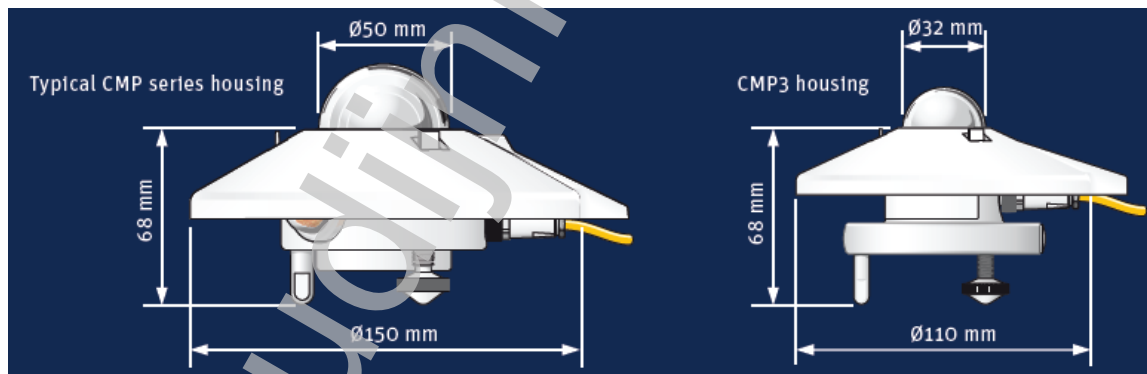
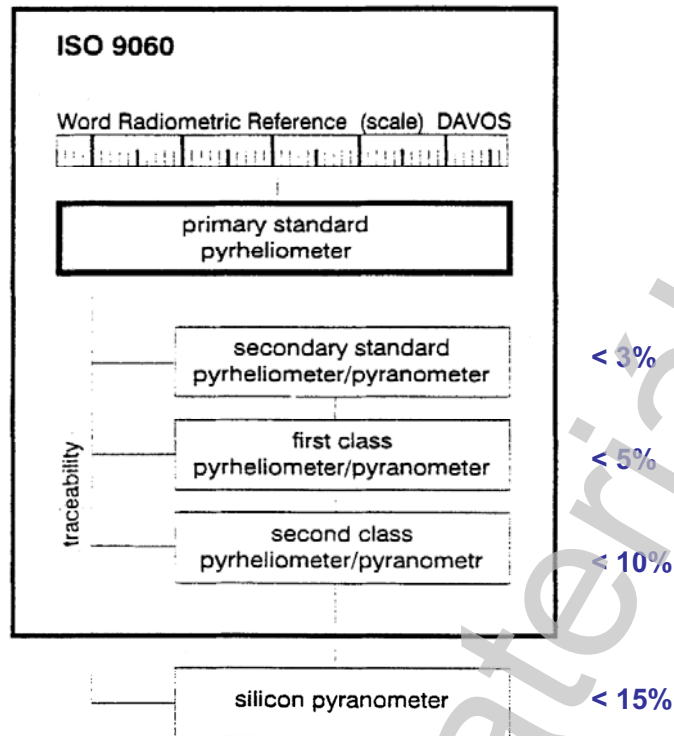
resolving structures	macro	meso			micro		
	β	α	β	γ	α	β	γ
horizontal fields							
vertical distributions							
boundary layer parameters							
specified surface layer parameters							

Meteorologické stanice vs. měřené parametry

The most important parameters are:

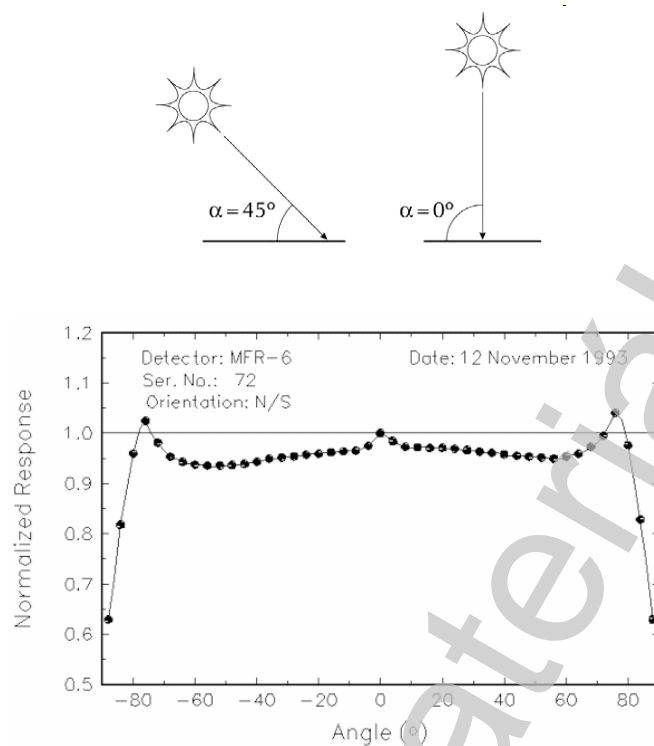
type of the station	t_a	f_a	u	dd	R_N	G	Q_s	p	ww
agrometeorological	X	X	X	X	X	X	o	o	
micrometeorological	X	X	X	X	X	o		o	o
micrometeorological with turbulence measurements	X	X	X	X	X	o	X	o	
air pollution	o	o	X	X		X	o	o	o
immission measuring	X	X	X	X	X	X			
disposal site	X	X	X	X	X	o	X		
noise measuring	X		X	X					
traffic measuring		X	X	X					o

Klasifikace radiometrů podle přesnosti



Specifications	CMP 3	CMP 6	CMP 11	CMP 21	CMP 22
ISO CLASSIFICATION	Second Class	First Class	Secondary Standard	Secondary Standard	Secondary Standard
Response time (95 %)	18 s	18 s	5 s	5 s	5 s
Zero offsets (a) thermal radiation (200 W/m ²) (b) temperature change (5 K/hr)	± 15 W/m ² ± 5 W/m ²	± 15 W/m ² ± 4 W/m ²	± 7 W/m ² ± 2 W/m ²	± 7 W/m ² ± 2 W/m ²	± 3 W/m ² ± 1 W/m ²
Non-stability (change/year)	± 1 %	± 1 %	± 0.5 %	± 0.5 %	± 0.5 %
Non-linearity (0 to 1000 W/m ²)	± 2.5 %	± 1 %	± 0.2 %	± 0.2 %	± 0.2 %
Directional error (at 80 ° with 1000 W/m ² beam)	± 20 W/m ²	± 20 W/m ²	± 10 W/m ²	± 10 W/m ²	± 5 W/m ²
Temperature dependence of sensitivity	± 5 % (-10 °C to +40 °C)	± 4 % (-10 °C to +40 °C)	± 1 % (-10 °C to +40 °C)	± 1 % (-20 °C to +50 °C)	± 0.5 % (-20 °C to +50 °C)
Tilt error (at 1000 W/m ²)	± 3 %	± 1 %	± 0.2 %	± 0.2 %	± 0.2 %

Directional / Cosine Response



Kalibrační – měřicí stůl

