

Application Note #028

MOISTURE MEASUREMENT EVALUATION - CHECKLIST FOR A NEW CUSTOMER/APPLICATION

REFERENCE #: _____

Keywords: paper moisture meter, biofuel moisture meter, infrared moisture meter, industrial installations, laboratory measurements, field measurements

In order to recommend the optimal moisture meter model for the customer and to prevent unexpected troubles with the intended application, we need more information of the final application. Please, **circle** or **fill in** the following items. You can also explain in more detail, continued on another sheet.

Customer name: _____ **Company:** _____ **Div.:** _____

Address: _____ **Tel.:** _____

e-mail: _____ **Skype:** _____

main application on-line QC troubleshooting frequency analysis semi-portable/changeable position other: _____

desired connection for automation fieldbus Profibus DP serial port to PC voltage signal LAN (RS485) 4-20mA/other: _____

control variable in automation none, display only dryer setpoint setpoint steam box flow press section line pressure other: _____

paper grade news office coated SC magazine recycled
 board corrugated liner pulp other: _____
 liner board special additives special coating No. of different grades: _____

other material textile felt tobacco wood chipboard veneer
 wood chip bio fuel sawdust other: _____

basis weight g/m2 _____ range of weights if several: _____g/m2 No. of weights: _____

expected moisture range: _____% total

web surface matte semimatte glossy superglossy printing color other: _____

web speed _____m/min web width _____m

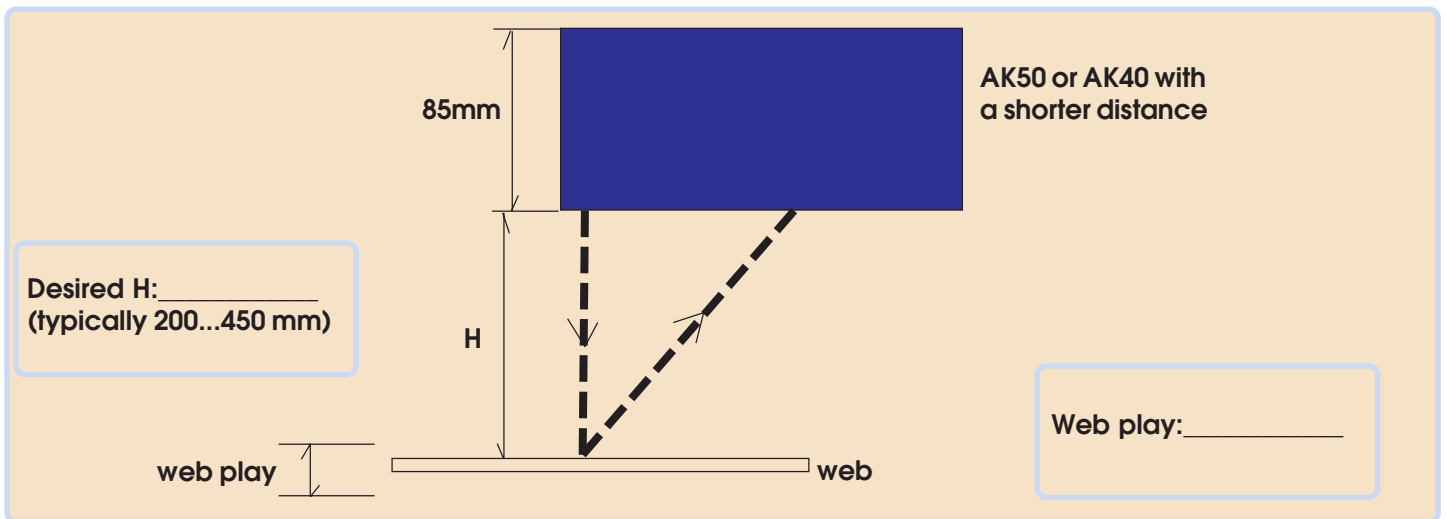
environment: temperature _____C _____F relative humidity _____%RH



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local IR heater	none	close: _____ cm from meter position			
local microwave heater	none	close: _____ cm from meter position			
splashes	water	pulp	coating	other: _____	
protection needs	none	against web breaks	water sprays	misuse	power failures
		infrared heat emitters	air line breaks	other: _____	
position in PM	press section	dryer	calender	coater	sheet cutter reeling
	other: _____				
sampling trigger	none	for sheets/ cutter	regular sampling at interval: _____ s		
web backing	none	dry felt	metal roller	wet felt	other: _____
distance H to the web from the meter bottom (refer to picture below)	_____ mm		web play +/- _____ mm maximum		
space requirements for the optical head	no limits	limited to: x x mm			
min. data acquisition speed (samples/s)	_____ Hz				
availability of clean pressurized air	NO	YES	pressure: _____ atm/psi		
			connector type: _____		



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type of electricity available 230VAC 50Hz 115VAC 60Hz 12VDC 6A
for one meter other: _____

power line socket type _____

scanning not required, max. speed cm/s full control of head motion
a fixed position needed

scanner profiles MD only@required MD and CD CD continuously
position at will _____profiles/hour

scanning resolution sample interval _____mm in CD sample interval _____mm in MD

other special requirements (continue on a separate sheet). It is recommended that you attach a mechanical drawing of the intended machine position. Attach also your business card. **Thank you for your kind assistance. This is of great help to us.**

Our dealer can arrange for a feasibility study of the material you have as an application. We can quickly check against any potential problems there might be.

