

# Cotton moisture tester HX-500

2013.11.22

Cotton moisture tester

Applications Raw cotton  
Cotton bale  
Cotton thread

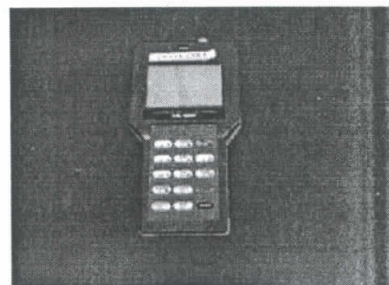
Calibration curves

01. Raw cotton [RAW]  
Pressure sensor can be used.
02. Cotton bale [BAL]  
2 needle probe of 21cm can be used.
03. Cotton thread [TR1]  
2 needle probe of 2.5cm can be used.
04. Cotton thread [TR2]  
2 needle probe of 21cm can be used.

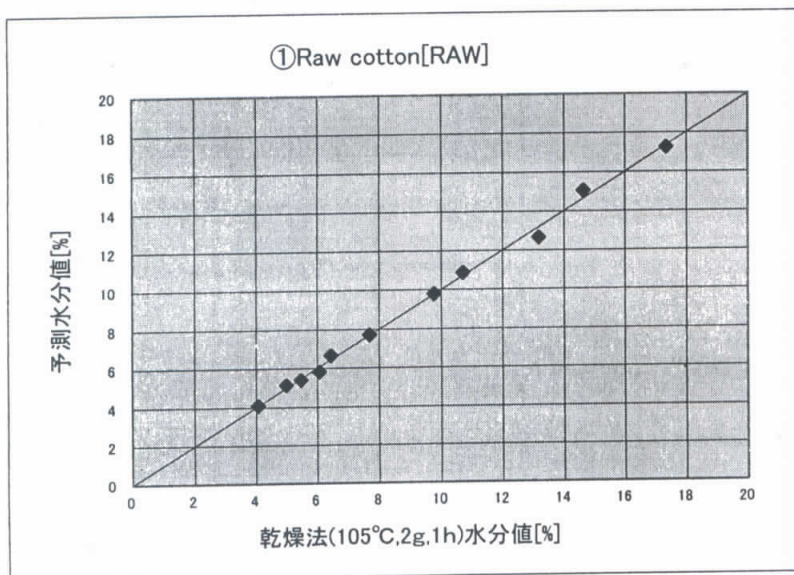
Standard method JIS L 0105 (Oven drying 105°C 2g 1h)

Measurement range Raw cotton [RAW] 4-17% (Dry base)  
Cotton bale [BAL] 4-18%(Dry base)  
Cotton thread [TR1] & [TR2] 5-14% (Dry base)

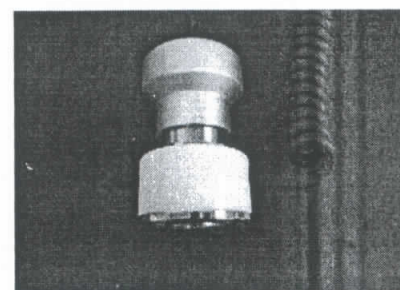
Calibration test data 01. Raw cotton [RAW]



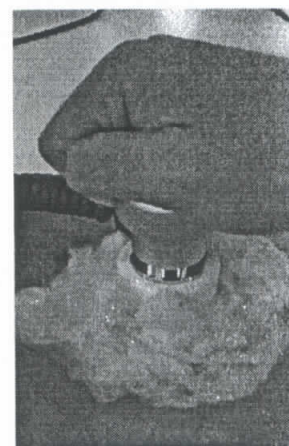
Main body



R	0,998
SE	0,26
N	11

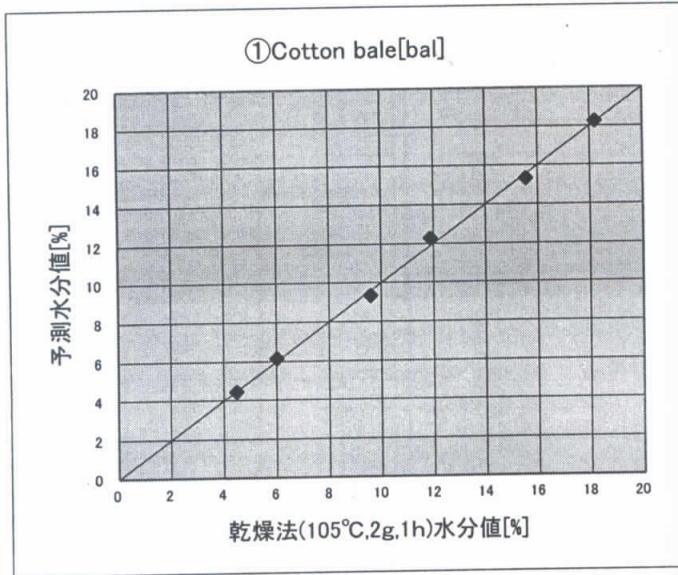


Pressure sensor

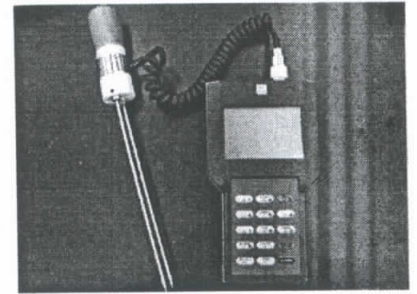


Measurement of raw cotton  
(Insulating material is laid down)

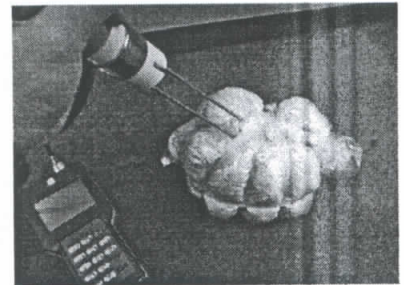
02. Cotton bale [BAL]



R	0,999
SE	0,27
N	6

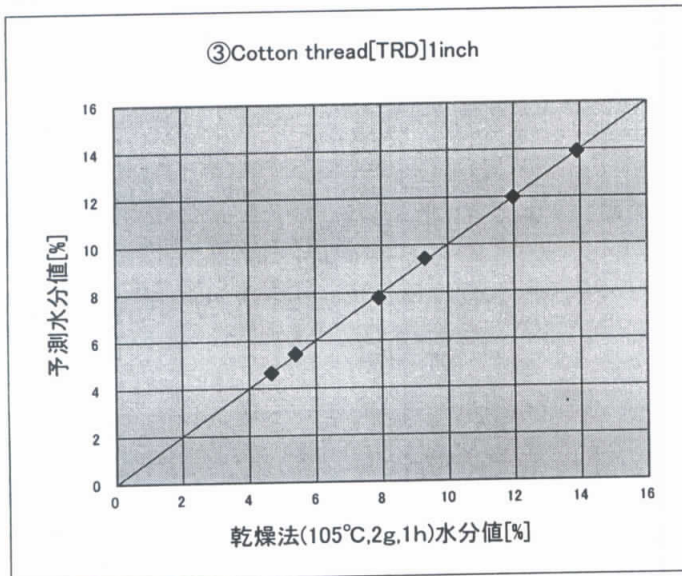


2 needle probe (21cm)

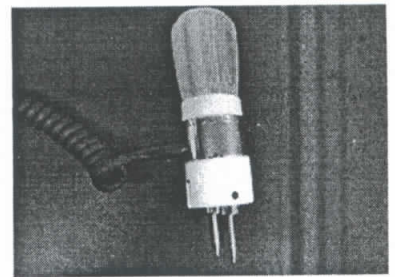


Sample that simulates a CottonBale by applying a pressure

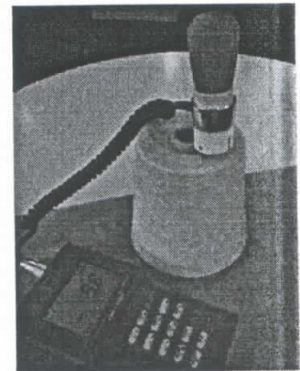
03. Cotton thread [TR1]



R	0,999
SE	0,09
N	6

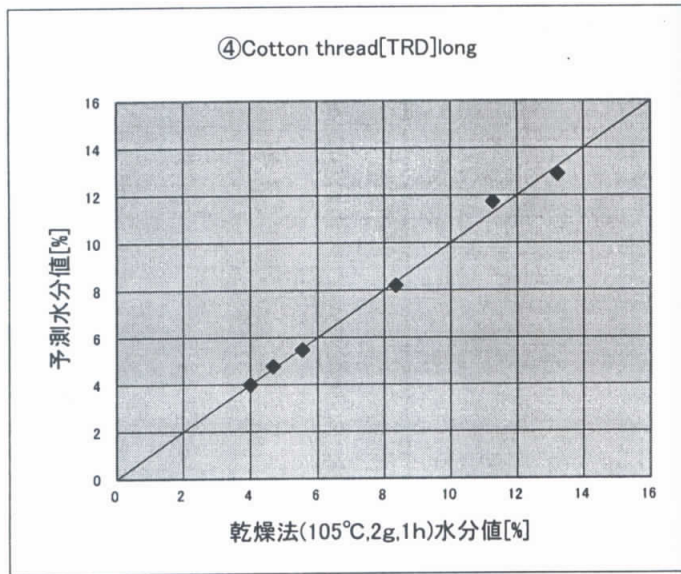


2 needle probe (2.5cm)



Measurement of cotton thread

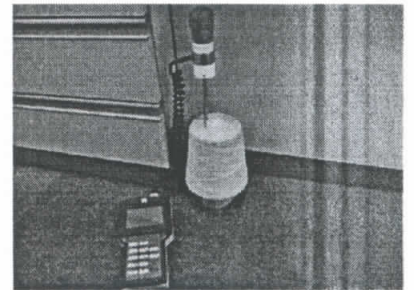
04. Cotton thread [TR2]



R	0,997
SE	0,30
N	6



2 needle probe (21cm)



Create a new calibration curve because it changed the needle