



PAP-TECH ENGINEERS & ASSOCIATES

Pap-Tech PAPER MOISTURE METER (GANN TYPE) MODEL: PAP- 2082 (A)

GANN Hydromette compact is an electrical resistance type digital moisture meter. It calculates on the basis of mass of water/ mass of solids. Since the electrical conductivity of paper is considerably affected not only by its moisture content, but also by the paper temperature and various substances contained in the paper, it is necessary to take these influences into consideration in the design of the moisture meters to ensure accurate readings.

Measuring range :

0 to 99% for Paper, Board and Corrugated. The hands close naturally around the ergonomic form of the housing so that the pins on the end of instrument can be pressed into the material to be measured. The thin pins Paper Board and Corrugated Board upto a maximum thickness of 25mm.

Effect of moisture on properties :

Higher GSM and lower Bursting Strength due to higher moisture.
Tensile Strength decreases with increasing % RH. The strength of bonds between fibers is reduced.
Tensile Stretch increases with increasing % RH.
Elmendorf Tear Strength increases with increasing % RH. This is because fibers are more likely to pull out of the structure due to reduced bonding strength. More work needs to be done to complete the tear.
Tensile Stiffness decreases with increasing % RH.

Salient Features:

- Handy, quick pocketed sized moisture meter for speedy single or series measurement.
- Completely automatic instrument setting.
- No separate electrodes or leads required.
- Also suitable to measure wood and normal gypsum & mixed plaster



TECHNICAL – SPECIFICATION

Size :	H 200mm x W 35mm x D 35mm
Weight :	130 grams (Approx.0)
Power Supply :	9V dry cell or chargeable battery.