

HOLMEN®

NHP100

Pellet Durability Tester



- **Portable**
- **Suitable for Animal Feed Pellets**
- **Fast and Simple Operation**
- **Adjustable Test Time**
- **Fines Removed During Test**

“Results obtained up to 4 x faster than the Kansas State Tumbling Can”

Operation:
Manual

The NHP100 is our entry level pellet durability tester used for calculating the Pellet Durability Index (PDI) of feed pellets by simulating pellets transportation environment from mill to trough.

Pellets Tested:
Feed

It can easily be transported between locations to provide spot checks, requiring only to be placed on a flat stable surface.

Sample Amount Required:
100g

Fitted with a standard 2.5mm diameter perforated hopper, the NHP100 is ideal for testing 3-12mm diameter pellets. Other size mesh hoppers are available ranging from 1.25mm to 4mm.

Set the test time to 30, 60, 90, or 120 seconds to suit a range of pellet sizes.

Function:
Portable

Used for:
Spot checks

Hole Diameter of Mesh Hopper:
Standard 2.5mm
(1.25 - 4.0mm options available)



The NHP100 operates by loading a manually weighed and sieved sample of pellets into the test chamber.

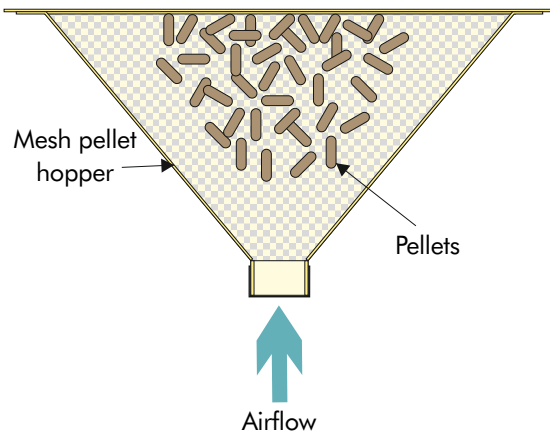
After the test cycle, the pellets are manually removed and weighed to obtain a 'Pellet Durability Index' (PDI) reading.

Fines and dust are removed during the test process for a fair and accurate test.

TEKPRO® www.tekpro.com

Email: info@tekpro.com Tel: +44 (0) 1692 403403 Fax: +44 (0) 1692 404955
TekPro Ltd - Willow Park - North Walsham - Norfolk - NR28 0BD - UK

The Holmen Pellet Durability Test is a form of testing that is recognised worldwide. Four models are available in the range, providing a solution for any mill or facility.



The Holmen Test

- ◆ Pellets are placed into a perforated mesh hopper.
- ◆ Air is blown into the bottom of the hopper at 70mBar, cascading the pellets into the air.
- ◆ Pellets collide with each other and the sides of the hopper.
- ◆ Fines filter through the hopper to a chamber below where they can be removed.

The Holmen Range of Pellet Durability Testers

NHP100



Portable / Manual
Feed Pellets

NHP200 Series 2



Desktop / Automatic
Feed & Wood Pellets

NHP300



In-line / Automatic
Feed & Wood Pellets

Ligno-Tester



Portable / Manual
Wood Pellets

NHP100 - Test Method

- ◆ Operator manually sieves and weighs a sample of pellets
- ◆ Pellets are added to the test chamber and a particulate filter is placed on top
- ◆ Pellets are tested for between 30 and 120 seconds
- ◆ Operator removes the filter and tested pellets
- ◆ Operator weighs the pellets and manually calculates the PDI result
- ◆ Operator cleans test chamber of fines



Standard NHP100 Includes:

- ◆ NHP100 with 2.5mm Mesh Hopper
- ◆ Power Cable
- ◆ Sample Tub
- ◆ Sample Tub Support
- ◆ Pack of 100 Particulate Filter Papers
- ◆ Pressure Gauge Calibration Certificate
- ◆ Trim Tool
- ◆ Brush
- ◆ User Manual

Distributed Worldwide

110V-115V & 220V-240V , 50 & 60Hz available

