

POC Tester Model PT01

Pol in Open Cell (Preparation Index) Tester for Sugar Cane



Jeffress Engineering is pleased to present the **JEFFCO POC Tester Model PT01** for the measurement of Preparation Index in sugar mills and laboratories by the open cell method. Developed in Australia, the PT01 is based on the requirements of ICUMSA Method GS7-3 (1994) and BSES Method 5 and is an excellent companion for the **JEFFCO Wet Disintegrator** in determining the preparation index of mill shredders and milling extraction efficiency.



JEFFCO PT01 fitted with full capacity 4 x 4.5 litre sample containers



JEFFCO PT01 fitted with 2 x 4.5 litre sample containers

- * Developed for international requirements for preparation index measurement
- * Accommodates one to four sample containers at one time
- * Electronic 99 minute timer
- * Sample containers rotate at a nominal 70 revolutions per minute
- * Direct coupled motor drive
- * Stainless steel drive shaft with sealed ball bearings
- * Easy to clean
- * Sample containers made from robust thick wall high density polyethylene
- * Sample containers are wide-necked with 4.5 litres capacity
- * Universal power supply 100-240V AC 50-60 Hz
- * Full one year warranty
- * Designed and manufactured in Australia
- * Ideally suited for use with the JEFFCO Wet Disintegrator

The **JEFFCO POC Tester Model PT01** is designed to take two or four rotating sample containers, each of 4.5 litres capacity and has an accurate digital electronic timer which allows for operational times of between 1 and 99 minutes in 1 second increments (depending on the methodology employed). The direct-coupled gear motor rotates the bottles at approximately 70 rotations per minute using a safe friction drive. The drive mechanism is easy to load, operate and clean.

Made from powder-coated steel, stainless steel, aluminium and nylon, the **JEFFCO POC Tester Model PT01** is robust and designed for a long life. The unit is supplied with four (4) sample containers moulded from special thick wall high density polyethylene with a stainless steel banded sealing lid and extra sample containers are available as an option to allow fast interchange of samples for operations in high throughput laboratories.



PT01 Control Panel



PT01 with sample containers removed

SPECIFICATIONS

- * **Construction:**
 - Stainless steel
 - Power-coated steel
 - Aluminium
 - Stainless steel shaft
 - Nylon rollers
 - Neoprene drive tyres
- * **Electrical Circuitry:**
 - AC Supply: 100 - 240 Volts
 - Frequency: 50 or 60 Hz
 - Power: Max 40VA
- * **Drive System:**
 - Speed: 70±4 rpm
 - Bearings: Sealed Ball
 - Motor: DC drive
 - Gearbox: Direct coupled
- * **Safety Systems:**
 - Safe friction drive
 - Overload protection
- * **Sample Containers:**
 - Material: HDPE
 - Capacity: 4.5 litres
 - Lid: SS banded
 - Seal: Polyurethane
 - Length: 245mm
 - Diameter: 170mm
 - Qty: 4 supplied
- * **Timer:**
 - Type: Electronic
 - Readout: Digital LED
 - Range: 0-99 minutes
 - Resolution: 1 second
- * **Warranty:**
 - One (1) year international
- * **Physical Size:**
 - Dimensions: 67 W x 23 H x 40 D (cm)
 - Weight: 11.8 kg
- * **Shipping Details:**
 - Dimensions: 76 W x 31 H x 50 D (cm)
 - Weight: 14.8 kg

Distributed by:



Our Australian Manufacturing Plant

Proudly designed and manufactured in Australia by:

JEFFRESS Engineering Pty Ltd

ABN 42 009 668 562

29 Churchill Rd North
(PO Box 195)
Dry Creek SA 5094
AUSTRALIA

Phone (+61) 8 8262 8311
Fax (+61) 8 8262 8355
E-mail sales@jeffress.com.au
Internet www.jeffress.com.au