

TERUMO PENPOL®

TRANSFUSION SYSTEMS

# COMPOSCALE & INTELLIGENT EXPRESSOR CS300 | E300

ISO 13485



Optimize blood care with advanced technology

Accuracy in Balancing and  
Maximizing (the Yield of)  
Blood Components

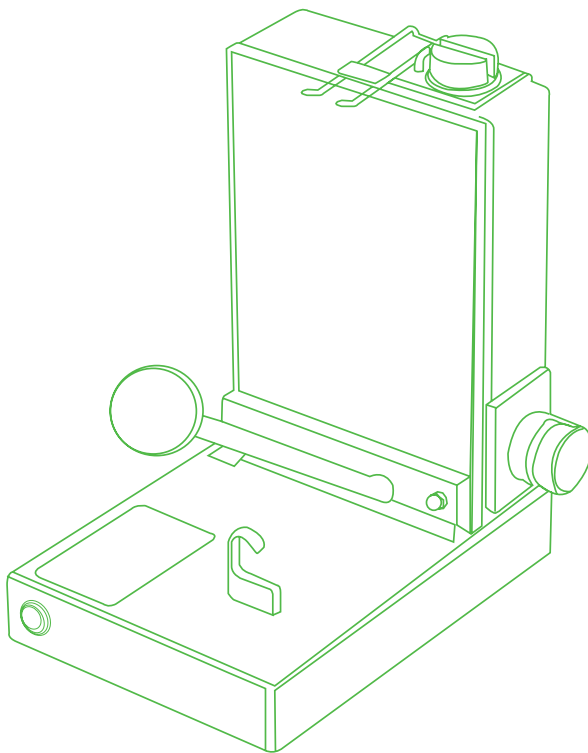


As part of Terumo Corporation, a Japanese company having its presence in over 150 countries, Terumo Penpol Ltd. pioneered the manufacture of blood bags in India in 1987. Driven by the company's mission of 'Contributing to Society Through Healthcare', Terumo Penpol uses cutting-edge technology to offer the most advanced range of blood bags, medical equipment and instruments for the collection, processing, storage and issue of blood products. Terumo Penpol is currently India's largest manufacturer of blood bags and is one of the largest producers of blood bags in Asia.



## PROCESSING EQUIPMENT

Terumo Penpol's intelligent technology enables its processing equipment to scientifically and efficiently separate, measure and process blood components, allowing for the fastest possible recovery time for patients.

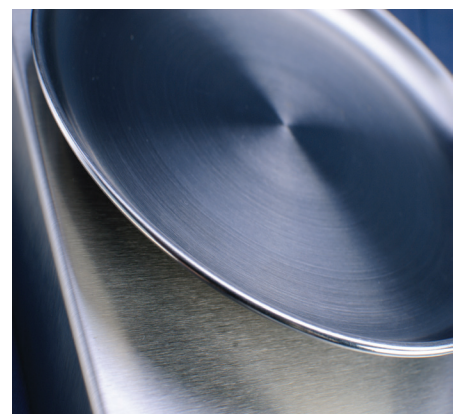


" Liquid-stored plasma may contain a small number of red cells. Plasma transfusions have been shown to be capable of causing both primary and secondary responses to red cells alloantigens."

### *Blood Transfusion in Clinical Medicine*

" Express approximately 3/4 of the plasma into the satellite bag."

### *Transfusion medicine*



Terumo Penpol sales and service engineers are located close to you for the entire life-cycle of the equipment. With over 10000 pieces of equipment installed in India and a customer base of more than 1500 clients, Terumo Penpol's reputation for friendly and round-the-clock service is widely recognized and respected.



## SPECIFICATIONS | COMPOSACLE CS300

## FEATURES

<b>Input supply</b>	230 +/- 10% VAC, 50Hz
<b>Power consumption</b>	2.9 W(max)
<b>Compliance</b>	EN 61010-1
<b>Ingress of water</b>	IPX1,protected against dripping water
<b>Transducer</b>	Load cell
<b>Weighing range</b>	Up to 2.5 Kg
<b>Resolution</b>	1gm /1 ml
<b>Interface facility with plasma</b>	Standard TTL interface with Plasma Expressor
<b>Zero set provision</b>	Automatic on initialization/manual
<b>Display</b>	16x1 line LCD (backlit)
<b>Switch</b>	Power ON/OFF
<b>Keyboard</b>	Weight / Volume conversion; Volume setting (Up/ Down); Component selection ( Up/ Down); Zero set; Balancing of bags; Enter / Escape
<b>Indications</b>	For zero set-LED For gm/ml-LED ***Over range*** on LCD *Indication on LCD when set Weight / Volume is achieved
<b>Dimensions (WxDxH)mm</b>	185x240x50
<b>Weight(approx.)</b>	2.5 Kg.
<b>Standards &amp; Approvals</b>	CE mark, EUroHS
<b>Manufacturing standard</b>	ISO 9001 : 2008, EN ISO 13485 : 2012

- Designed to meet all the international safety requirements of EN 61010-1.
- The compare mode allows for the balancing of buckets in the centrifuge.
- A zero-set provision accounts for the weight of the bag/bag system.
- Easy conversion from weight to volume and vice-versa with visual indications.
- A built-in interface connected to an electronic Plasma Expressor helps to separate specific volumes of plasma for preparing aliquots for pediatric use.
- Accurate measurement of the volume and gravity of various blood components.
- User-friendly system with LCD messages and LED indications.

## SPECIFICATIONS | INTELLIGENT EXPRESSOR E300

## FEATURES

<b>Power source</b>	AC-DC power adapter or power from another Intelligent Expressor
<b>Input for adapter</b>	100 - 240 V AC, 50/60Hz, 0.7 A
<b>Input</b>	12V DC, 1A
<b>Power consumption</b>	12W
<b>Sensor type</b>	Infra-red beam interrupt opto-sensor
<b>Clamping power source</b>	Spring loaded clamp with geared DC motor
<b>Clamp closing time</b>	Less than 1 sec
<b>Flow rate</b>	150-180 ml/ minute
<b>Controls</b>	1. Power 2. Clamp up 3. Clamp down 4. Start
<b>Indications lamp</b>	1. Power 2. Clamp down 3. Start
<b>Alarm</b>	On detection of separation
<b>Dimensions( WxDxH ) mm</b>	165 x 230 x 280
<b>Weight ( approx.)</b>	5.5 Kg
<b>Standards &amp; approvals</b>	CE mark, EUroHS
<b>Manufacturing standard</b>	ISO 9001: 2008, EN ISO 13485 : 2012

- Designed to meet all the international safety requirements of EN 61010-1.
- User-friendly system with alarms and indications.
- Leakage-free clamping ensures separations without contamination of red cells.
- Designed with both automatic and manual clamping modes.
- The Composcale interface helps to separate a specific volume of blood components to prepare aliquots and to maintain a favorable hematocrit content.
- Four units can be interconnected through a single unit to avoid multiple power inlets.
- A highly sensitive opto-electronic sensor ensures instant sensing between the transfers of blood components.
- A specially designed bag hook holds the blood bag during the expressing of plasma.

## REGISTERED OFFICE

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## OUR PRODUCT RANGE

BLOOD BAGS

DONOR STATION

BLOOD COLLECTION MONITOR

TUBE SEALER

PORTABLE TUBE SEALER

DUAL HEAD TUBE SEALER

COMPOSCALE + INTELLIGENT EXPRESSOR

CRYO BATH

BLOOD BANK REFRIGERATOR

PLATELET AGITATOR AND INCUBATOR

DEEP FREEZERS

PLASMA BATH

FILTERS\*

BLOOD TRANSFUSION SET\*

AUTOMATIC COMPONENT EXTRACTOR\*

STERILE CONNECTING DEVICE\*

APHERESIS SYSTEM AND KITS\*

\* Additional Products for Indian market only.  
Products from Terumo Corporation / Terumo BCT