



PRODUCT **CATALOG**



A new era of smarter,
safer and affordable healthcare

www.vtitan.com

About Us

vTitan specializes in the design, development, and manufacturing of cutting-edge medical devices that empower healthcare professionals and enhance the quality of life for patients. We are committed to advancing patient care and improving healthcare outcomes through the infusion of latest technology into medical devices. At vTitan, we keep a relentless focus on innovation in product design, user-centric interfaces, patient safety and product reliability.

We offer medical products that are not just functional but also intuitive to understand and operate with unmatched quality. Designed and developed in India, our products are making a distinct mark in domestic and international markets with their unique set of features and built-in capability of remote monitoring, offering web and mobile solutions at an affordable price.

Our patented technologies in infusion therapy and interventional radiology have set new standards of care in respective product domains, leading to better patient outcomes and productivity gains for hospitals.



Our Commitment

Our mission at vTitan Corporation is to manufacture and deliver medical devices that:

Meet and Exceed Standards: Fully comply with domestic and international medical device regulations and standards while surpassing the intended use requirements.

Commit to Quality and Improvement: Cultivate a culture of continuous improvement, where every team member is dedicated to enhancing product quality and operational excellence.

Adapt and Innovate: Maintain a dynamic quality management system that evolves with industry advancements and customer needs, ensuring our devices remain at the forefront of medical technology.

Prioritize Customer Support: Provide exceptional service and support to our customers, ensuring any issues are resolved promptly and effectively to support their critical healthcare needs.

At vTitan, we are driven by a passion for improving healthcare through superior medical devices and unwavering commitment to our customers. By blending cutting-edge technology with a dedication to excellence, we aim to make a meaningful impact on the health and well-being of people worldwide.

CERTIFICATE OF REGISTRATION

This is to certify that the management system of:

**vTitan Corporation.
Pvt. Ltd.**

Main Site: Estancia IT Park, New Woodlands Block, Plot No.140 &
151, GST Road, Vallancherry Village, Chengalpattu, Tamil Nadu,
603202, India.

has been registered by Intertek as conforming to the requirements of:

ISO 13485:2016

Management system is applicable to:

Design, Development, Manufacture and Service of Drip Monitor,
Infusion Pump and Robotic C...

Certificate Number:
0123782

Initial Certification Date:
09 January 2021

Date of Certification:
17 July 2024

Issuing Date:
17 July 2024

Valid Until:
08 January 2025



Our Products

Infusion

Accuflow Drip Monitor
Accuflow VE Syringe Pump
Accuflow Thala Pump
Accuflow Infusion Pump



Urology

Accuflow Uro



Therapy

vREM (CPAP)
De Thromb (DVT Pump)



Radiology

HigHNoon









Monitoring

vCardio (Cardiac Monitor)
IntelliICU



Accuflow Drip Monitor

Accuflow Drip Monitor tracks gravity infusion and alerts caregivers during critical conditions. With Wi-Fi connectivity, it allows remote viewing of infusion parameters and alarms from the nursing desk.

-  Reliable drop sensing
-  Monitors IV closely
-  Critical alarm display
-  Reduces nurse workload
-  Improves patient treatment outcomes
-  Remote monitoring solution with real-time infusion status, alarms. Multi-platform software for different use environments




Technical Specifications


Dimensions (LxBxH)	180 x 160 x 65 mm
Weight	35 g
Display	1.7" colour display
Compatible IV Sets	10, 15, 20, 60 gtt/ml
Accuracy	Drop detection accuracy- 99.9%

Chamber Diameter	13.5 to 19 mm (Single chamber drip sets) 25 mm (Double chamber drip sets with outer ring)
Display Parameters	Duration, Flow rate, Drip rate, Drop count, Volume infused
Communication	Wi-Fi
Battery	Li-ion battery, upto 24 hrs


Accuflow VE Syringe Pump


Accuflow VE syringe pump delivers accurate and reliable infusion therapy to patients in a controlled manner.


 Patented closed-loop motion control technology

 Improved infusion accuracy

 3.5 inch colour display

 User intuitive controls

 Li-ion battery, up to 10 hours battery backup

 Remote monitoring solution with dashboard, real time status, configurable drug library, infusion audit reports



Technical Specifications

Dimensions (LxBxH) 275 x 120 x 108 mm

Weight 2.2 kg

Syringe Capacities 5, 10, 20, 50/60ml

Flow Rate Range 0.1 - 1200 mL/hr

VTBI Range 0.1 – 999 mL

Infusion Modes Rate Mode, Volume/Duration Mode, Dosage Rate Mode, Multi-Step Mode

Accuracy Mechanical: $\pm 1\%$,
Flow Rate : $\pm 2\%$

Bolus Manual and Auto Bolus

KVO Rate 0.1 – 5 mL/hr

Accuflow Thala Pump

Accuflow Thalassemia Pump is designed for reliable infusion of iron-chelating agents for thalassemia patients focusing mainly on patient safety, simplicity, and comfort.



Compact and portable



Easy to use



Quick 3-step operation



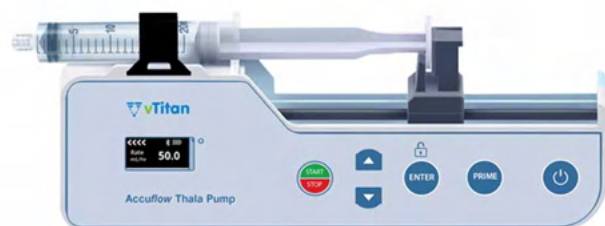
Simple priming procedure



Lock functionality



Visual and audio alarms



Technical Specifications

Dimensions (LxWxH)	172 x 36 x 51 mm
Weight	185 g
Display	0.96" OLED
Compatible Syringes	5, 10, 20 ml
Flow Rate Range	0.1 - 70 mL/hr

Accuracy	±2%
Priming function	Available
Battery type	9V Li-ion battery (Rechargeable)
Battery Life	40 hrs

Accuflow Uro

Accuflow Uro is a non-invasive uroflowmetry device that accurately measures urine volume and helps in diagnosing urinary problems like incontinence, hesitancy, and other voiding dysfunctions.



Lightweight



High precision load cell sensor with 3 kg capacity



Adjustable urine density, time and flow scale



Pre-configurable diagnostic codes



Wireless and real time data acquisition



Detailed reports with patient data, results and nomograms



Technical Specifications

Dimensions (LxBxH) 180 x 160 x 65 mm

Weight 1 kg

Flow Rate 0.1-50 mL/s

Volume Up to 1000 mL

Accuracy +/-2% of voided volume

Modes Manual, Auto

Parameters Measured Max flow rate, Avg flow rate, Voided volume, Voiding time, Flow time, Time to max, Hesitancy

Communication Bluetooth

Battery 4 AA batteries

HighNoon

HighNoon is a shadow based, CT guided instrument positioning assistant, which helps clinicians in performing high-risk and high-precision percutaneous medical interventions.



Needle point accuracy, Shadow based real-time guidance



Easy learning curve



Minimal iterations, reduced radiation exposure



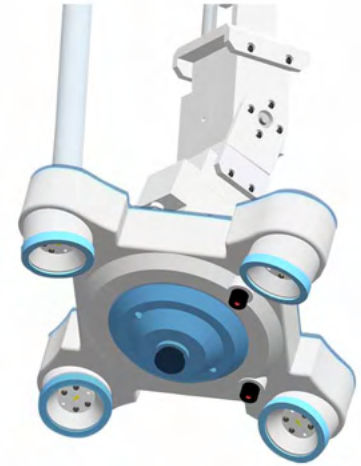
No need for calibration every time



Early diagnosis & treatment



Better patient comfort & improved patient safety



Technical Specifications

Compatible Modality CT, CT Fluro

Imaging Interface DICOM 3.0

Positioning Accuracy 2 mm

Linear Resolution 0.5 mm

Device Controls Wireless keypad and Foot switch

Mounting Options Permanent (Floor/Ceiling/Wall or combination option available as per site)

Positioning Method 3 level confirmation for accurate positioning (shadow based + laser alignment + live feed view)

Communication Wi-Fi

De Thromb

De Thromb is a cutting-edge solution designed to effectively address deep vein thrombosis (DVT). This Intermittent Pneumatic Compression pump non-invasively increases blood circulation in the limbs.



Compact and easy to use



Supports both uniform and sequential compression modes



Detachable hooks to hang on bedside



Programmable pressure and interval time



Up to 8 hours battery backup



Provision to track and reset total operating hours



Audio and visual alarms



Technical Specifications

Dimensions (LxWxD) 178 x 253 x 202 mm

Weight 2.2 kg

Display 1.7-inch LCD

Compression Areas Thigh, calf, foot

Compression Modes Uniform, sequential

Compression Pressure Calf/thigh: 20, 30, 40, 50, 60 mmHg
Foot: 120, 130, 140 mmHg

Interval Time 24, 48, 60 seconds (selectable)

Power Supply 100-240 V AC, 50-60 Hz

Battery Rechargeable Li-ion battery

vCardio

vCardio is a state-of-the-art ambulatory cardiac monitoring device designed for precise ECG monitoring using a reusable electronic module that snaps over a disposable electrode patch.



Sleek and lightweight



Continuous cardiac monitoring upto 7 days



Patient-triggered symptom tracking



Wearable in shower



Lead-off detection to identify lead disconnections



Multi-platform software for various use environments



Technical Specifications

Dimensions (HxWxD)	58 x 50 x 17 mm
Weight	35 g
Type	Single Lead (Lead II)
Sampling Rate	256 samples/sec
CMRR	> 80 dB

Heart Rate	Range: 25-240 BPM Accuracy: +/- 5 BPM or 10%
Respiratory Rate	Range: 3-40 breaths/min Accuracy: +/- 3 breaths/min
Communication	Bluetooth
Battery	CR2450 coin cell battery

vREM

vREM is a comprehensive CPAP therapy device for restoring restful sleep and combating the effects of obstructive sleep apnea (OSA).



CPAP and APAP modes to cater to your therapy needs



Comfort features such as auto ramp, flex and automatic start / stop



Check mask fit feature to reduce leakage



Pollen and ultrafine (bacterial) filter for effective filtration of particles



Compatible with 15 mm & 22 mm tubing



Application for monitoring of therapy data and report generation



Technical Specifications

Dimensions (LxWxH) 240 x 160 x 85 mm

Weight < 1.5 kg (approx.)

Pressure 4-20 cmH₂O

Ramp Time 0-45 min (or Auto)

Flex Off, Level 1-3

Humidifier Level 0-6

Altitude Compensation Automatic

Communication Bluetooth

Power Supply 100-240 V AC, 50-60 Hz

Accuflow Infusion Pump

Accuflow Infusion Pump helps to provide intermittent or continuous flow of fluids such as medications, nutrients etc., to the patients intravenously.



Patented closed loop motion control technology



Improved infusion accuracy



Capacitive touch overlay



Compatibility with the standard IV sets



Remote monitoring solution



Li-Ion battery powered



Technical Specifications

Dimensions (LxWxH) 274 x 126 x 120 mm

Weight 1.9 kg

Display 3.5" Color LCD

Flow Rate Range 0.1 - 1500 mL/hr

VTBI Range 0.1 - 9999 mL

Accuracy ±5% (with the compatible IV sets)

Infusion Modes Rate Mode, Dosage Rate Mode, Multi-Step Mode

Bolus Manual and Auto Bolus

KVO Rate 0.1 - 5 mL/hr

Battery Li-Ion, Operating time: 8 - 10 hrs

Accuflow Compact Pump

Accuflow Compact Pump delivers fluids to a patient's body in a controlled manner for immunoglobulin therapy and palliative care.



Improved infusion accuracy



User intuitive controls



Li-ion battery, up to 30 hours battery backup



Rate and volume duration mode

Vein Detect

Vein Detect is a non-invasive imaging device that helps to find the optimal venipuncture site. It utilizes advanced Light Emitting Diodes (LED) to illuminate veins beneath the skin, creating a clear contrast that allows healthcare providers to locate veins quickly and accurately.



LED technology



Suitable for all age groups



Suitable for all skin types



Compact and portable

IntelliICU

IntelliICU is a care management and an ICU monitoring solution that provides a patient-centric unified dashboard view and a set of easy-to-use caregiver interfaces for better patient care.



Remote view and management



Smart alarm management



Unified patient dashboard



Paperless ICU



Real time video feed



Nurse workload optimization



Enhanced clinical collaboration



Manage Progress Notes

Provides patient-wise progress notes editor, using which nurses can judiciously record the instructions from intensivists and doctors and provide effective medical interventions.

Parameters of Concern

Allows doctors and nurses to customize the user interface, option to choose the parameters of concern based on the patient care needs, helps in ascertaining the prognosis.

Real Time Video Feed

Option to view the real time video feed of the patient to closely monitor the patient's physical state and provide necessary medical intervention.

Choosing the appropriate EWS (Early Warning Score)

IntelliICU provides customization option to choose the appropriate EWS. Some of the early warning scores are Braden scale, Rass scale, Apache II score, SOFA score, NEWS2 score.

vTitan Corporation Private Limited

New Woodlands Building, Estancia IT Park,
Plot No. 140,151 Vallancheri Village,
Chengalpattu District,Tamil Nadu - 603202, India.

Contact: +91 88072 42689
Email: sales@vtitan.com

Website



Product Brochures



©2024 vTitan Corporation Pvt. Ltd.
981-1014 Rev 01