

WHAT IS AN A.P.T DEVICE?

An exercise machine specifically designed to assist in the rehabilitation and mobility enhancement of individuals facing mobility impairments. It provides a versatile workout, allowing for both passive and active training modes.

Using **isokinetic physiotherapy** methods, we managed to bring the best result to countless customers. The APT can be adjusted to cater to various intensity levels, making it suitable for users at different stages of rehabilitation. Using the APT, is crucial for patients recovering from injuries or with chronic conditions affecting their mobility

WHO IS THE DEVICE FOR?

The A.P.T family, is designed to help patients with a wide range of conditions:

- **Spinal cord injuries.**
- **Head injuries**
- Partial to complete neurological impairments.
- **Geriatric issues**
- **CVA – Stroke**
- **Cardiac and pulmonary** issues
- **Cerebral Palsy (CP)**
- **Muscular Dystrophy (MD)**
- **Spinal Muscular Atrophy (SMA)**
- Reduce risk for **Osteoporosis.**
- **Hemodialysis** (during treatment)
- General rehabilitation needs.

CERTIFICATIONS:

T.U.V, C.E, F.D.A, M.D.D, ISO 9001 + 13485

Clinical studies indicate that both active and passive training with APT offers a comprehensive approach to physical rehabilitation and fitness, catering to a wide range of health conditions and mobility levels. The studies underline that regular use of APT can lead to improvements in physical health, functional abilities, and overall quality of life.

HEALTH IMPROVEMENTS AND BENEFITS:

Countless users with varying levels of disability train daily at home with the A.P.T device, reporting significant health improvements and enjoyment from the exercise.

Benefits include:

- Enhanced joint function and mobility.
- Reduced spasticity (muscle stiffness).
- Preservation of muscle mass.
- Improved muscle tone.
- Maintenance of muscle strength.
- Improved cardiovascular and pulmonary function.
- Improved range of motion.
- Prevention of tendon shortening.
- Improved flexibility.
- Prevention of bone demineralization.
- Improve blood circulation.
- Increased endurance

EXERCISE OPTIONS:

Diverse exercise options and modes to cater to various patients and physical needs.

Modes of Operation:

- **ACTIVE Mode:** Offers varying degrees of resistance.
- **PASSIVE Mode:** Provides adjustable speed and torque levels.
- **Combination Mode:** Integrates passive and active training.

THE APS



The APS is a non-electric physiotherapy device, tailored for people with varied levels of disabilities, includes several key features for safety, accessibility, and ease of use. **The main features of the APS is the 25 kg flywheel that helps the patient to gain and maintain momentum during exercising, this helps with the patients compliance and content with the training routine.**

It offers an adjustable radius for personalized range of motion, a sturdy frame with optional calf support and gloves, and accommodates comfortable seating such as wheelchairs. The device includes non-slip pedals with safety straps, user-friendly controls, and a large, clear display for monitoring metrics. It operates quietly, offers customizable resistance levels, integrates with physical therapy through the Tele-APT training App, and is designed for easy mobility and storage, making it ideal for homes or care facilities with limited space.

TECHNICAL INFORMATION

Weight	99 lbs.	45 kg
Folded dimensions	22x40x52 in	58x102x133 cm
Rotation Radius	1.5 / 3 / 4.5 / 6 in	3.75 / 7.5 / 11.25 / 15 cm



THE APT: 1/5/1+/5+

The A.P.T is an electric training tool for mobilizing injured or paralyzed limbs through rotational movement, similar to pedaling a bicycle. with a user-friendly control panel, adjustable paddling radius, varied levels of resistance and speed for customized training.

The device is light-weight and easy to deploy, its size make it perfect to use and store for personal uses in your own home and for professional institutes.

TECHNICAL INFORMATION

Weight	22 lbs.	10 kg
Folded dimensions	18x28x6 in	46x72x15 cm
Rotation Radius	1.5 / 3 / 4.5 in	3.75 / 7.5 / 11.25 cm
Exercising positions	15° / 30° / 45° / 60°	15° / 30° / 45° / 60°
Rated Voltage	24V DC	24V DC
Power Supply	100-240V AC 50-60Hz	100-240V AC 50-60Hz
Rated Power	100W	100W

The difference between the APT 1/5 and the APT 1+/5+

We have redesigned the APT to make it even more accessible to a wider range of clients, in addition to a new and sharper look, the new APT+ are better sized to fit for young children

The difference between the APT1/1+ and the APT5/5+

The differences between the APTs can be clearly seen in the control panel of each device, while the devices function and performance are the same, the APT5/5+ have more options for displaying the training session information and has more power/resistance levels for customizing your physiotherapy routine.

APT1/APT1K CONTROL PANEL

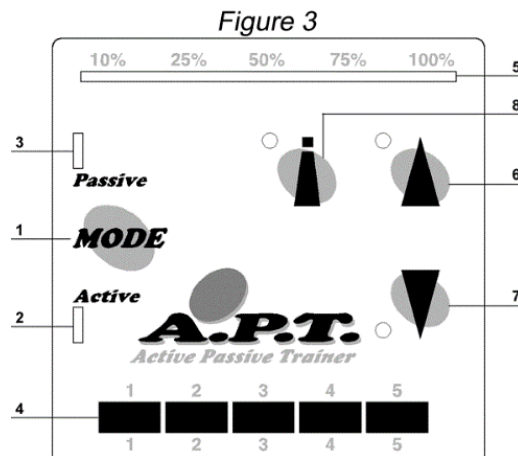


FIGURE 6: APT 1K OPERATOR PANEL

1.		Operation mode Button - for selecting mode of operation.
2.		Green indicator is lit when ACTIVE mode is selected by mode button.
3.		Green indicator is lit when PASSIVE mode is selected by mode button.
4.		Exercise level selection push switches 1 - Lowest level 5 - Highest level
5.		Indicates actual load level (%)
6.		Button for forward operation in the PASSIVE mode. The green indicator is lit to indicate forward operation.
7.		Button for backward operation in the PASSIVE mode. The green indicator is lit to indicate backward operation.
8.		Button activating Auto-Reverse function in the PASSIVE mode. In the ACTIVE mode this button activates the constant force function. The green indicator is lit when activated.

APT5/APT5K CONTROL PANEL

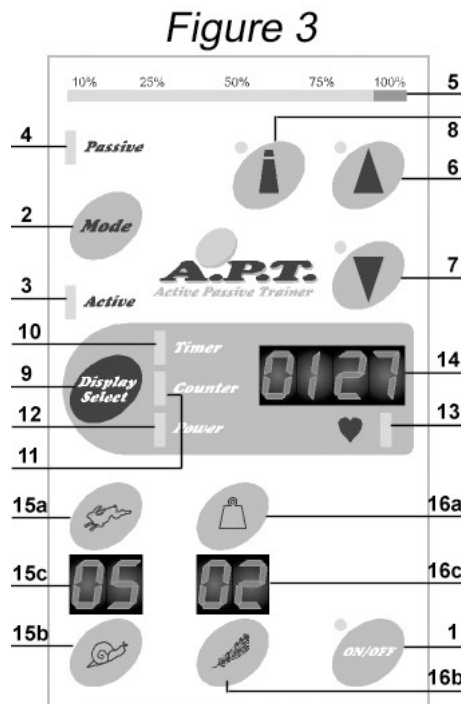












FIGURE 6: APT 5K OPERATOR PANEL

1.		On/Off button: green indicator is lit when the APT-5 is switched on.
2.		Mode button: for selecting active or passive mode of operation.
3.		Green indicator is lit when ACTIVE mode is selected by mode button.
4.		Green indicator is lit when PASSIVE mode is selected by mode button.
5.		Indicates actual load level as percentage of chosen load level (see 16).
6.		Button for forward operation in the PASSIVE mode. The green indicator is lit to indicate forward operation.

APT5/APT5K CONTROL PANEL

7.		Button for backward operation in the PASSIVE mode. The green indicator is lit to indicate backward operation.
8.		Button activating Auto-Reverse function in the PASSIVE mode. In the ACTIVE mode this button activates the constant force function. The green indicator is lit when activated.
9.		Button for selecting display of data, (see 10-13):
10.		Green indicator is lit when Timer display is selected. The display will show the time the APT-5 has been used in the current exercise period.
11.		Green indicator is lit when Counter display is selected. The display will show the total amount of revolutions of the crank arm in the current exercise period.
12.		Green indicator is lit when Power display is selected. The display will show the power during exercise in Watts – only in Active mode.
13.		Not in use
14.		Display for Timer, Counter and Energy.
15.		Exercise speed level selection push buttons 15a – Increases speed level (up to 10) 15b – Decreases speed level (down to 1)
16.		Exercise load level selection push buttons 16a – Increases load level (up to 10) 16b – Decreases load level (down to 1)

DOUBLE APT



The Double APT is a device equipped with two APT units, designed to maximize the efficiency of physiotherapy exercises. The two units allow patients to work on both upper and lower limbs simultaneously.

The Double APT can function as a single unit or as two separate devices, the units can operate in sync with each other or independently, with each unit adjustable for different resistance, speed, and torque. This configuration offers a wide range of exercise options.

TECHNICAL INFORMATION

Length	93cm
Width	69cm
Height	100-123cm
Weight	32kg

ICU BED STAND



The ICU Bed Stand is a steel frame specially designed to facilitate and adjust the APT's angle, accommodating bed-bound patients. It addresses limited mobility in these patients by providing effective daily therapy with the APT, making it suitable for both home care and hospital care.

Designed without mechanical attachment to the bed or chair, the ICU Bed Stand remains stable, with its wheels secured by a foot pedal for anchoring. Its adaptable accessories ensure comprehensive use of the APT for individuals with varying physical abilities.

Versatile in its applications, the ICU Bed Stand serves as a multipurpose exercise machine for both upper and lower limb training in active and passive modes. Its adjustability allows for personalized settings to suit different users' requirements.

TECHNICAL INFORMATION

Length	80cm
Width	126cm
Height	130cm
Weight	40kg



The Tele APT app by Tzora enhances the functionality of the A.P.T device by providing customized exercise programs, and progress tracking via smartphone or tablet. It allows users to adjust settings, monitor their progress, and receive real-time feedback, all through an intuitive interface. The app supports personalized rehabilitation and fitness routines and facilitates remote monitoring by healthcare providers, ensuring a convenient and effective exercise experience.



Wide range of accessories available for complete adaptability.

BO61801	Tele APT sensor + App	
AS000040	High support calf rest (Pair)	
AS000046	High support padded footrest (Pair)	
AS000041	Angled hand grips (Pair)	

AS000042

Footrest (pair)



AS000043

Straight handgrip
(pair)



AS000049

Hemi glove
(single)



AS005020

Heart rate
monitoring kit



AS005022

Remote control for
APT 5



ASK00042

Foot rest (pair)
large to small

