



# INFOTRONIC

MEDICAL  
INDUSTRIAL ENGINEERING

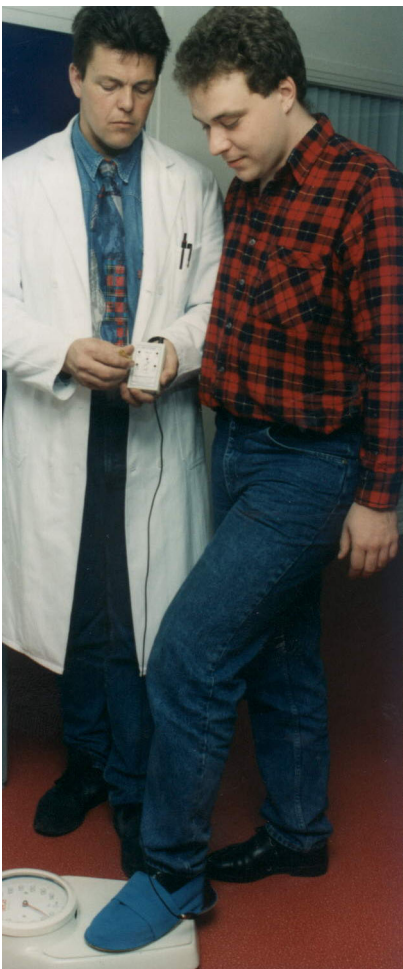
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## FPL

*Foot Pressure Limiter*

*Your rehabilitation  
assistant*



*From now on, a more reliable and sound load therapy is possible, thanks to the Foot Pressure Limiter from Infotronic.*

The **FPL (Foot Pressure Limiter)** is a device that constantly monitors the force that is applied to a foot, and gives off a warning signal when this force exceeds a pre-set threshold.

The force is measured by two force transducers that are built into a slipper. This slipper is worn over the shoe. The force threshold can be adjusted using a weightscale.

When the pre-set maximum is exceeded, an alarm signal sounds. The pitch of this alarm signal varies with the amount of overload, so the amount of overload is clearly audible.

In this way, the patient can perform the load therapy carefree, because the risk of damage as a result of overloading the leg is greatly reduced.

< Pre-setting the overload threshold using a weightscale

Walking with a reassured feeling .



Take the right step... with the FPL from Infotronic

## ***Therapy level***

The new Infotronic FPL 4 enables you not only to detect overload, but also to stimulate the patient to load the leg.

When the force reaches a certain level, the ***therapy level***, that can be set independently of the overload level, the measuring unit responds by short pulsed tones. These indicate to the patient that an amount of force is applied that is beneficial for recovery.

## ***Advantages of the FPL:***

- The patient can move freely. No special room is necessary for performing the therapy.
- It is reassuring for the patient knowing that overload is monitored continuously.
- By applying feedback through use of the FPL, the chance of damage through overload during gait therapy is reduced considerably.
- Considerable savings in hospital cost by reducing the number of days a patient is required to stay in hospital.
- The patient can be stimulated effectively to load the leg.
- The pitch of the warning signal gives a direct indication of the amount of overload
- Pitch and volume are adjustable
- The FPL is easy to apply

## ***Accessories***

The FPL is delivered with a special low power earphone, screwdriver for adjustment, 9 Volt battery and carrier bag.

## ***Overload registering device***

On demand, an expansion unit is available that registers the total overload time during therapy

## ***Specifications***

Type of sensor:	capacitive
Dimensions of sensor:	45 * 45 * 3 mm
Number of sensors:	2
Load range:	0..100 kgf
Power supply:	9 Volt battery
Adjustments:	Overload level, therapy level, pitch, pulse duration, volume

FPL - Foot Pressure Limiter:

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