PeriFlux 6000 intelligent peripheral vascular diagnosis
**PeriFlux 6000** - a flexible system that grows with your needs

*Tailor PeriFlux 6000 to your specific diagnostic challenge*

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**Peripheral Arterial Disease (PAD):**
PAD is a condition caused by obstruction of the peripheral arteries, leading to an increased risk for cardiovascular events. The classical PAD symptom is intermittent claudication (walking pain), but notably two-thirds of all patients are asymptomatic. PAD is often more aggressive in diabetics, with a higher risk of major amputations. PAD should always be confirmed using objective vascular tests.

**Critical Limb Ischemia (CLI):**
CLI is a severe form of PAD with high incidence of amputation and mortality. The distal blood flow and microcirculatory function are severely compromised, resulting in rest pain, ischemic ulcers and gangrene. CLI is a clinical diagnosis, but should be supported by objective tests.

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**COMBINED Premium**

**Wound healing assessment and PAD/CLI* diagnosis**

**1. tcppO2**

**2. PRESSURE Standard**

**3. COMBINED Standard**

**4. PRESSURE Premium**

**5. COMBINED Premium**

**DICOM**

**DICOM and HL7**

**Local heating function**

**Treadmill kit**

**Segmental kit**

**Finger pressure kit**

**Hyperbaric kit**

**O₂ challenge kit**

**Camera**

**Cart**

**Computer**

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Please note: It is always possible to upgrade from STANDARD to PREMIUM, or from tcppO2 to COMBINED. In addition, channels can be added to increase the number of measurement sites.

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PeriFlux 6000

intelligent diagnosis of patients with peripheral vascular disease

Accurate vascular assessment
PeriFlux 6000 offers a unique combination of vascular tests. Using the same instrument and software, high-quality diagnosis of Peripheral Arterial Disease (PAD) and assessment of the wound healing potential is obtained.

ABI and toe pressure
Accurate toe pressure measurements require precise techniques. PeriFlux 6000 uses sensitive laser Doppler technique for detection. Accuracy is further improved with local heating at the measurement point, enhancing the detection on cold ischemic feet.

Microvascular tests – tcpO₂
Transcutaneous oxygen monitoring (TCM / tcpO₂) is a non-invasive way to evaluate the microvascular status of the patient. Today, TCM / tcpO₂ is commonly used in clinical applications such as wound healing assessment, hyperbaric medicine, amputation level determinations and more.

Step-by-step instructions
The user is guided throughout the procedure by clear instructions available in several languages. The operator independent workflow provides reliable results at any time. The instrument can be managed by a nurse or technician.

Parallel testing to save time
To save time, several vascular tests maybe performed in parallel. As an example, toe and ankle pressures are measured at the same time as a baseline tcpO₂ is being recorded.

Adaptable tests and workflows
Each examination can be streamlined according to the individual patient. For example, a patient with a diabetic foot ulcer should be evaluated using toe pressure and tcpO₂ measurements. Whereas a patient with walking pain should be examined using ABI and toe pressure.

Start-up time: Maximum 60 seconds
Automatic calibration: In air tcpO₂ / tc CO₂, 8 electrodes simultaneously
Memory storage capacity: 2 GB
Alarm: Visual and audible
Dimensions: W=26 cm, H=22 cm, D=25 cm
Weight: 43 kg (equipped with 8 PF-6040 units)
Display: Touchscreen, 8” color TFT LCD, Resolution 800x600 px
Power consumption: 100–240 VAC, 10 or 60 Hz, 65 VA
Operating conditions: Temp. +5 to +35 °C at 30% to 85% RH, Environmental pressure: 70 to 1014 hPa / 700 to 1000 mbar
External connections: 2 USB hosts for connecting printer, camera, keyboard, pointer device, etc. 1 USB device for connecting PC
Humidity sensor: Range: 10 to 95% RH, Accuracy: ± 4% RH

PF 6010 LDP/Temp Unit
One laser Doppler probe per unit
Outputs (LDP) Perfusion, CAWE, Concentration of Moving Blood Cells, Velocity and TBI (Total Backscatter)
Outputs (Temp) Measured temperature at probe site
Perfusion range: 0 to 1699 %
Classification type: BF (body floating)
PF 6050 Pressure Unit:
5 pressure outlets per unit
Output range: Diffusion pressure 0 to 100 mmHg
Accuracy: ±15 mmHg or ± 5% of reading or ± 2 %
Classification type: BF (body floating)
PF 6040 tcpO₂/tc CO₂ Unit
One micromodule per unit
Measured parameters: tcpO₂, tcpCO₂
Measurement ranges: tcpO₂ = 0 to 1999 mmHg (0–267 kPa), tcpCO₂ = 5 to 200 mmHg (0.67–26.7 kPa)
Accuracy: ±5 mmHg or ± 5% of reading from 25% to full scale
Temperature settings: Range: 37 to 45 °C, set in steps of 0.5 °C, Accuracy: ± 0.5 °C
Built-in barometer: Range: 225 to 825 mmHg, Accuracy: ± 3.0 mmHg
Temperature settings: Low range: +26 to +44 °C, Increments: 0.5 °C, Accuracy: ± 0.5 °C
Perfusion range: 0 to 1999 PU
Classification type: BF (body floating)
E5250: pO₂ sensor
E5280: Combined pO₂ / pCO₂ sensor

Compliance:
HIPAA compliant

Accuracy:   tc
p
O2
0 = 0 to 1999 mmHg (0–267 kPa), tcpO₂ = 5 to 200 mmHg (0.67–26.7 kPa)

Accessories and Consumables:
Fixation rings
TC 510 Fixation Rings for tcpO₂/tc CO₂
TC 515 Fixation Rings Extra Strength Adhesive for tcpO₂/tc CO₂

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For more information please contact Perimed AB
Perimed AB, Datavägen 9A, SE-175 43 Järfälla-Stockholm, Sweden | Tel: +46-8-580 119 90 Fax: +46-8-580 100 28
E-mail: mail@perimed-instruments.com | Website: www.perimed-instruments.com
Part. No. 44-00313-01

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