



Flexible and clinically advanced

Xper Flex Cardio Physiomonitoring system

Xper Flex Cardio is flexible enough to be installed in nearly every interventional environment, such as cardiac catheterization, invasive vascular, electrophysiology, and even hybrid labs combined with surgical suites. Through a combination of advanced applications and workflow flexibility, Xper Flex Cardio Physiomonitoring puts clinical intelligence to work, simplifying clinician workflow, improving financial outcomes and helping to improve the standard of care. Xper Flex Cardio's easy mounting and small size unobtrusively provide information wherever it is needed. The system supports integrated Fractional Flow Reserve (FFR) measurements, and its DXL Algorithm provides advanced ECG analysis tools, including Culprit Artery Detection and ST Maps. The DXL Algorithm also analyzes 16-lead ECGs for the cath lab environment for improved detection of the right ventricular and posterior infarct.

Key advantages

- Space-saving design delivers placement and positioning flexibility
- Streamlined FFR workflow makes it easy to access FFR measurements, from acquisition to automatic data entry onto reports
- DXL Algorithm provides 16-lead ECG analysis, Culprit Artery Detection and patented ST Maps

PHILIPS
sense and simplicity

Xper Flex Cardio highlights

Designed to fit, no matter the space

Xper Flex Cardio packs a lot of advanced technology into a small package. At just 4.4 lbs. (2.0 kg) and 7.5" x 6" x 10" (19 cm x 15 cm x 25 cm), the device is six times smaller and four times lighter than previous systems and fits easily into most spaces. In a crowded lab, a small physiomonitring system can be a great advantage, providing clinicians the freedom to attend to the patient from nearly any angle needed, and avoiding table movement restrictions that can be caused by larger systems.

In addition, Xper Flex Cardio's VESA (Video Electronics Standards Association) mounting capability allows mounting in many types of locations, including on an X-ray table rail in a lab, on an articulating arm, on a roll cart that can be used in multiple labs, or against a wall by the bedside in a patient monitoring area. Adding to the flexibility, the control computer can be located in either the control room or the procedure room.

Clinical decision support tools add value

Xper Flex Cardio features advanced clinical decision support tools, including integrated FFR calculations, 16-lead ECG acquisition, Culprit Artery Detection and ST Maps. By delivering valuable patient information in the patient preparation room, during the procedure, and in the recovery room, these tools facilitate more confident decision-making.

FFR helps physicians assess ischemia; determine need for stents

Xper Flex Cardio displays Fractional Flow Reserve (FFR) measurements, a lesion-specific, physiological index that quantifies the hemodynamic severity of intracoronary lesions. The Xper Flex Cardio system displays FFR measurements in real time, and then stores them as part of the hemodynamic record, so that reports can be automatically populated with FFR data. In a recent study, investigators demonstrated that treatments guided by FFR had 28% fewer major adverse cardiovascular events when compared to treatment guided by standard angiography alone. They also demonstrated that FFR-guided treatment reduced procedural costs, reduced follow-up costs for major adverse cardiac events and shortened hospital stays, resulting in a 14% cost savings over treatment guided by angiography alone.¹

16-lead ECG provides more information

Xper Flex Cardio brings the power of 16-lead ECGs to interventional environments. Four additional leads can be used for improved detection of the right ventricular and posterior infarct. In addition, using 16 leads for post-procedure ECGs facilitates rapid and confident assessment of cardiac symptoms. Xper Flex Cardio also supports standard 12-lead ECG monitoring, recording and analysis.

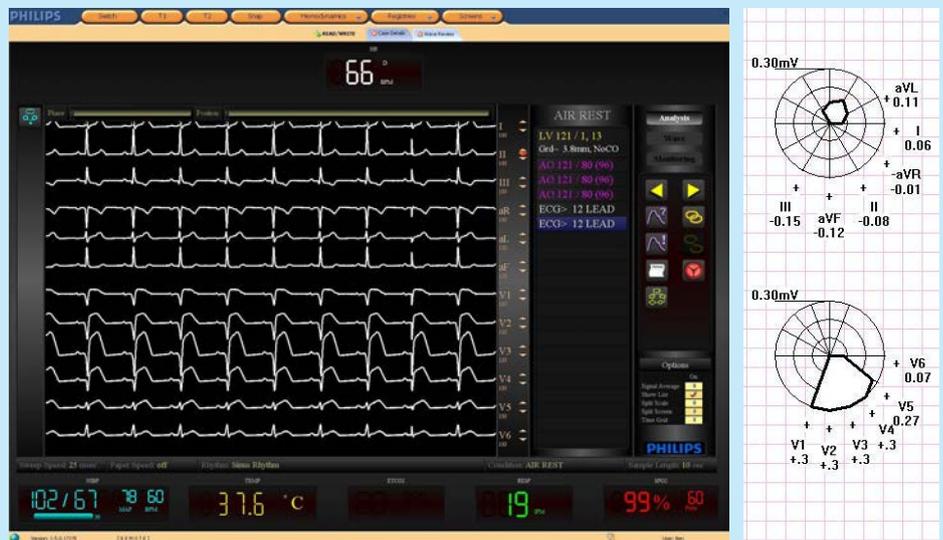


Philips harmonized patient monitoring cables minimize the need to change electrodes when transferring patients from an IntelliVue monitor to an Xper Flex Cardio Physiomonitring solution.

1. Pim A.L. Tonino, M.D., Bernard De Bruyne, M.D., Ph.D., Nico H.J. Pijls, M.D., Ph.D., Uwe Siebert, M.D., M.P.H., Sc.D., Fumiaki Ikeno, M.D., Marcel van 't Veer, M.Sc., Volker Klauss, M.D., Ph.D., Ganesh Manoharan, M.D., Thomas Engström, M.D., Ph.D., Keith G. Oldroyd, M.D., Peter N. Ver Lee, M.D., Philip A. MacCarthy, M.D., Ph.D., and William F. Fearon, M.D. for the FAME Study Investigators. Fractional Flow Reserve versus Angiography for Guiding Percutaneous Coronary Intervention. *N Engl J Med* 2009 Jan 15; 360:213-224.

ST Maps facilitate quick and easy viewing of multi-lead ECGs

When a patient presents with a STEMI, quick assessment of the effect of the infarct is essential to treatment planning. Philips patented ST Maps provide a graphical indication of ST elevation or depression from either 12- or 16-lead ECGs in both frontal and transverse planes, helping physicians assess a patient's condition before and during the procedure, as well as evaluate the results of the intervention. ST Maps are also available in Philips IntelliVue patient monitors and diagnostic ECG products.



Culprit Artery Detection helps pinpoint occlusions

The task of identifying lesions in need of intervention is now easier, thanks to Philips DXL Algorithm's Culprit Artery Detection. Culprit Artery Detection provides suggestions on the probable site of an occlusion prior to a cath procedure, saving valuable time and assisting with procedure planning.

Enhancing workflow

Xper Flex Cardio also provides several features that aid workflow.

- The ability to mount the system on the table means that the system moves with the patient, reducing the problem of strained cables that often slowed workflow. In addition, the unobtrusive form factor prevents the system from getting in the way of the procedure.
- Xper Flex Cardio was designed to use many of the same cables used with select IntelliVue patient monitors, making it easy to transfer patients between the pre- or post-interventional holding areas and the procedure room.
- Just one click captures FFR data, and that data automatically populates physician reports.
- All relevant data collected by Xper Flex Cardio automatically becomes a permanent part of the cath lab record.
- Xper Flex Cardio supports several ways for connecting to other equipment/devices, including DB9, and pressure ports.

“Xper Flex Cardio's small size allows us to pan and move our table without hitting the system. We no longer have to worry about the physiomonitors restricting table movement or causing ECG cables to be pulled tight.”

Casey Ford, Cath Lab Supervisor,
Health Central Hospital, Ocoee, Florida



Please visit www.philips.com/xperflexcardio



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www.philips.com/healthcare
healthcare@philips.com

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