

DSI has developed proven products and services for researchers performing cardiovascular studies that require implantable telemetry solutions for large animal models. Our systems offer easy to use, high-quality designs to obtain accurate results for various cardiovascular parameters: blood pressure, heart rate, ECG, ventricular pressures and more.

DSI provides all of the necessary components for a complete implantable telemetry cardiovascular solution. Each recommended system consists of the necessary telemetry implant, hardware, software, and accessories. **Please note that there is flexibility in the number of animals that can be monitored on a single system and the following solutions can be adapted to meet your study needs.**

PhysioTel Large Animal Implantable Telemetry Cardiovascular Solution for 8 Animals

Product	Part Number	Quantity
DSI Implant of Choice (See Table 1. Available Implant Models)	<i>Implant dependent</i>	8
Receiver (RMC-1)	272-6002-001	8
Data Exchange Matrix (DEM)	271-0117-001	2
Ambient Pressure Reference (APR-1)	275-0020-001	1
Ponemah Acquisition and Analysis Software <i>Includes the following components:</i> <ul style="list-style-type: none"> • Ponemah Core Software v5.1 • Open A.R.T. Gold Interface (8) • Data Security Option • Study Protocol Option • Analysis Module (BP) • Analysis Module (LVP) • Analysis Module (ECG) • Analysis Module (PVO)* 	PNM-P3P-CFG <i>PNM-P3P-510 PNM-P3P-D002 PNM-110-DSO PNM-P3P-1200 PNM-BP100W PNM-LVP100W PNM-ECG100W PNM-PVO100W*</i>	1
Ponemah Post Acquisition Analysis Tools <i>Includes the following components:</i> <ul style="list-style-type: none"> • Ponemah v5.1 Analysis only software • Data Security Option • Study Protocol Option • Analysis Module (ECG PRO) 	PNM-POST-CFG <i>PNM-P3P-POST510 PNM-115-DSO PNM-P3P-1200 PNM-010-TMPLTE</i>	1
Computer	271-0112-008	1
Computer Monitor	271-0112-007	1
Power Cord	<i>Geography Dependent</i>	2
Software Enhancement Agreement	PNM-P3P-E06	1
Ponemah Operating Room System	PNM-P3P-OPSYS	1

*Analysis Module (PVO) / Required for implant model PCTR

Table 1. Available Implant Models

Model	P	T	A	Biopotential Channels	Battery Life (months)
PA-D70	•		•		4
CTA-D70		•	•	1	4
D70-PCT	•	•	•	1	3.5
D70-CCTP	•	•	•	2	2.5
D70-PCTP	2	•	•	1	2.5
D70-PCTR*	•	•	•	1	2.5

P = pressure, T = temperature, A= activity

*Includes respiratory impedance channel

Figure 1. Large Animal Implantable Telemetry System for 8 Animals

