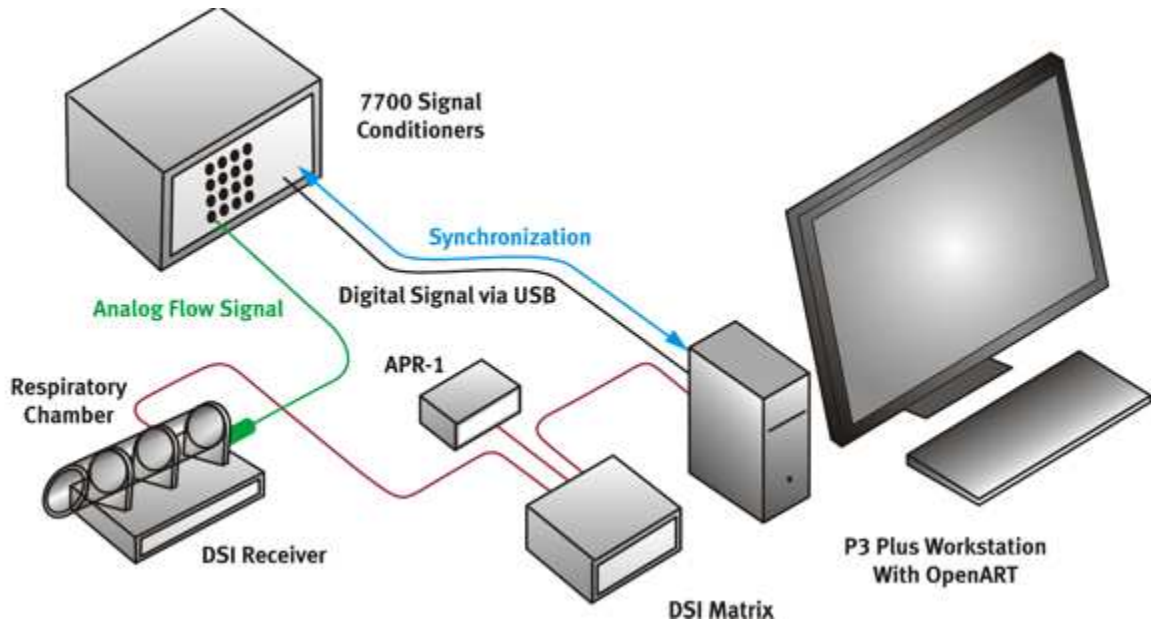


Telemetry & Hardwired Simultaneous Acquisition



The DSI Synchronization option (simultaneous acquisition) allows the user to acquire signals from both telemetry and hardwired sources aligned in time. Lock step innovation puts DSI ahead of the competition in relation to handling signals of varied origin. This DSI Synchronization solution provides the best digital synchronization available between implantable telemetry and Ponemah acquisition devices (hardwired signals).

Studies requiring respiratory parameters such as compliance and resistance calculations can use a hardwired head-out chamber to measure flow and an implanted pressure transmitter to measure pleural pressure. Without the tight level of synchronization offered by the DSI solution, the users would not be able to perform accurate cross channel calculations.

The tight signal integration between implantable telemetry and hardwired sources also allows users to combine different study types (i.e. cardiovascular, respiratory, CNS) into a single study, where appropriate, enabling the user to save time and money.

Technical Data Sheet

Telemetry and Hardwired Simultaneous Acquisition

ORDERING INFORMATION

Part Number	Description
J03548	Synchronization interface cable
P02369	PCI timer board (requires one full height, 1/4 length PCI slot in personal computer)

The workstation that is going to be used for synchronization requires both the OpenART™ telemetry acquisition interface option and at least an ACQ7700 USB unit. Along with the acquisition interfaces, the accessories listed above are needed.

If needed upgrade pricing is available for OpenART™, ACQ7700 USB. Please contact your DSI sales representative for more information.

*Specifications are current at publication.
Due to DSI's continuing product improvement program,
specifications may change without notice.*

Reference Papers

Murphy DJ, Renninger JP, Gossett KA. A Novel Method for Chronic Measurement of Pleural Pressure in Conscious Rats. *Journal of Pharmacological and Toxicological Methods* 39, 137-141 (1998)

Murphy DJ, Renninger JP, Coatney RW. A novel method for chronic measurement of respiratory function in the conscious monkey. *Journal of Pharmacologic and Toxicological Methods* 46, (2001) 13-20

DSI products are not intended for the purposes of diagnosis of disease or other conditions, or in the cure, mitigation, treatment, or prevention of disease, or used as a life support device. Use of DSI products are solely for the purposes of conducting life science research.