

TIME DATA ACQUISITION AND ANALYSIS

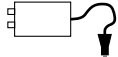



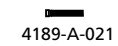






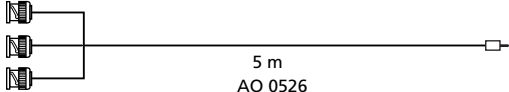



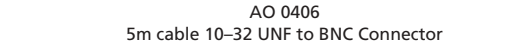
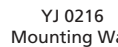

The acquisition of time data as a reference and for post-analysis is becoming increasingly important. As the number of measurement channels increases, analysis techniques become more advanced and there is an ever-increasing drive to perform measurements faster. Acquisition of time data allows large data sets to be acquired for later analysis.

PULSE is ideally suited for both acquisition and post-analysis. The advanced, intelligent, real-time monitoring features make validating measurements on-the-spot easy and ensure that analysis can be performed later without problems.

Post-analysis with PULSE can be done either directly on flat data files or through the advanced relational database supported by PULSE Data Manager (PDM). The Data Manager allows you to search for data sets across measurement runs according to user-defined metadata or measurement properties.



Picture Courtesy of Rolls-Royce Plc.

 WQ 2350 Cigarette Lighter Tacho	 4231 Sound Level Calibrator	 UA 1473 Set of 100 Swivel Bases UA 1478 Set of 100 Swivel Base	 7769 Aux Parameter 7698 Sound Quality Software BZ 5445 SQL Server 7701 Data Recorder 7705 Time Capture Analyzer 7774 SIR-1000 Interface 7767 Data Manager 7709 Viewer License BZ 5444 PDM Browsing License
 4189-A-021 Free-field 1/2-inch Microphone with 2671 Preamplifier	 AO 0427 10 m Double Screen BNC Cable	 4228 Pistonphone	 UA1407 Set of 100 Mounting Clips UA1408 Set of 100 Mounting Clips UA1454 Set of 100 Mounting Clips with Thick Base UA1475 Set of 100 Mounting Clips with Thick Base UA1563 Set of 5 High Temperature Mounting Clips UA1564 Set of 5 High Temperature Mounting Clips
 UA 1317 Microphone Holder	 UA 1480 Spirit Level	 4294 Calibration Exciter	 AO 0526 5m, 4-pin Microtech to 3 BNC Connectors
 4942-A-021 Diffuse-field Microphone with Preamplifier 2671, TEDS	 IEPE TEDS	 4508B Miniature DeltaTron Accelerometer with TEDS	 AO 0406 5m cable 10-32 UNF to BNC Connector
 YJ 0216 Mounting Wax	 4506B Triaxial Accelerometer with TEDS, 100mV/g		

020218

7701 DATA RECORDER

The data recorder is an instrument that can record data from all channels direct to disk. The disk is the hard disk of your PC. Data recorded to disk can be simultaneously analysed during recording, or replayed later for analysis. The recording

rate allows gap-free recording for a channel bandwidth product of at least 400 kHz

7709 VIEWER LICENSE

A PULSE Viewer License includes all the functionality of PULSE except for the capacity to control the front-end and make measurements

7774 SIR-1000 INTERFACE

PULSE Interface to Sony® SIR-1000 Type 7774 frees up your data recorder by using a Sony® AIT Streamer Type AIT90e-SB, AIT90i-SB, AIT130e-SB or AIT130i-SB to interface to PULSE via a standard SCSI interface. The data is stored digitally on the AIT tape and read directly into PULSE

from the streamer. Another option is to use a Sony® Emulation Card STB10. This plugs into your SIR-1000 AIT recorder and allows it to be used as a streamer

TYPE 3560 C-S16

Time Data Acquisition – 7 channels

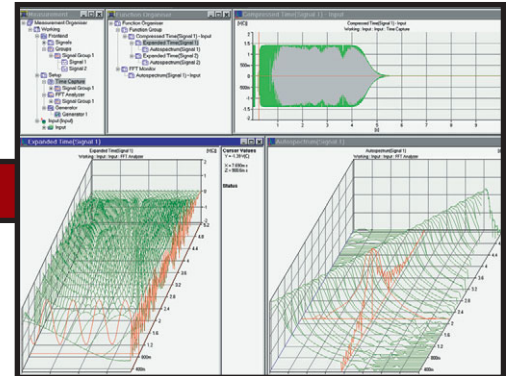
- 3560 C
- 7533
- 3032 A
- 7701
- 7770-N7

A system optimised for real-time analysis/data validation and simultaneous recording of relevant time data in a very small portable package (battery option)



* One year SW maintenance

Time Capture Type 7705 captures long time signals in RAM for subsequent retrieval for post-processing or data export. From a compressed time view, you can select the part of the signal you want to use

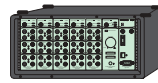


TYPE 3560 D-S8

Time Data Acquisition – 30 channels

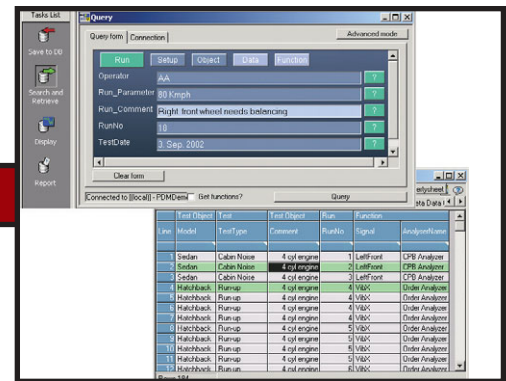
- 3560 D
- 7536
- 5 x 3032 A
- 7707
- 7701
- 7770-N16

A system optimised for high channel count, real-time analysis/data validation, and simultaneous recording of relevant time data



* One year SW maintenance

PDM includes a Search and Retrieve task that allows you to find and retrieve data. You can, e.g., search for and retrieve all measurements made over time at a specific measurement point on all vehicles of a specified type



TYPE 7900-S1

Post-analysis Station (unlimited channel count)

- 7700-16
- 7702-16
- 7707
- 7701
- 7789
- 7705
- 7767 B
- 7767 B-SI3

System able to post-process data from any PULSE measurement. Especially suited to acquire data through PULSE Data Manager



* One year SW maintenance

Display results by dragging and dropping any retrieved data from the Result List into a display each of which can hold one or more sets of data, allowing easy comparison of data

