

Department of Mechanical Engineering, NIT Calicut

DATA ACQUISITION SYSTEM WITH DYNO WARE SOFTWARE, CHARGE

Photo of Instrument:



Instrument Name	DATA ACQUISITION SYSTEM
Instrument Model & Serial No.	DAQ for DynoWare Type 5697 & SN5697A
Instrument Make	KISTLER
Category of Instrument	Advanced Manufacturing facility
Description of Instrument	The DAQ systems for DynoWare consist of a connection box and the DynoWare program.
Instrument Technical Description and Major Specifications (This Specifications Limited to Major 5)	Up to two multichannel charge amplifiers, and hence two measuring chains, can be connected to the connection box. A 16-bit A/D converter digitizes the analog output data. The system is connected to the PC via a USB 2.0 port, the control of the charge amplifier or signal conditioner is handled by the connection box via an RS-232C cable. Users are provided with

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	an easy-to-use data acquisition system with a high sampling rate.
Application of Instrument (Limited to Major 4 or 5)	Data acquisition System (DAQ) for test and measurement applications
Type of Sample Required for Analysis / Testing (Quantity, Pre-Preparation, State etc.) Guidelines for Sample Submission – User Instructions	NA
Types of Analysis / Testing	NA
Faculty In-Charge Name / Email / Contact	Dr Jose Mathew 0495 2286405 josmat@nitc.ac.in
Technical Staff Name / Email / Contact	Mr. Sanal P R sanal@nitc.ac.in 9497186556
Location of Instrument	Micro Machining centre , Production Block
Other Details	

User Charges:

S.NO.	Type of Analysis / Testing	Internal - within Department of NITC	Internal - Other Departments NITC	External Academic Educational Institutes	National R&D Labs	Industry
1	Cutting force and temperature	150/hour	150/hour	150/hour	150/hour	150/hour

Slot Booking and Payment Work Flow: