DATA ACQUISITION SYSTEMS

DAQ-FAMILY

PROPERTIES

- Family of centralized data acquisition system
- Separate or embedded battery pack
- Up to 238 measurement channels
- Up to 100 kHz sampling rate
- Flash memory

- 10/100/1000 Mbit/s Ethernet
- High shock resistant
- Integrated power management to minimize power consumption and self-heating
- Wide variety of triggering options

KEYFACTS

- Power supply from 9-12 V without backup battery
- 24 V with backup battery
- 1 Gb/s Ethernet interface that supports trigger and synchronization
- Telemetry channel
  - Records events at the same sample rate as the sensor signals
  - Records incorrect samples, missing samples, battery low, external power missing, DTI overcurrent
- Adjustable DTI-Port power supply
  - Compensate cable losses while reducing the power dissipation in the sensors
- Wiring test
  - Potential signal integrity problems before performing the real test
- 14 ch on a DTI Bus @ 20kS/s and 6 ch on the Bus @ 100kS/s
- Independent analog trigger window settings for each channel
- 64 GByte industrial grade flash
- RAM is allocated depending on the

APPLICATION

In-Dummy Data Acquisition

- Thor-5%
- Thor-50%
- WorldSID-50%
- Adapted design for the next generation of ATDs

Stationary Data Acquisition

- For laboratory use
- In various versions
- 6 - 17 Ports

On-Board Data Acquisition

- For vehicle testing

MG-SENSOR
A HUMANETICS COMPANY