FARDUX
ELECTRONIC DATA ACQUISITION
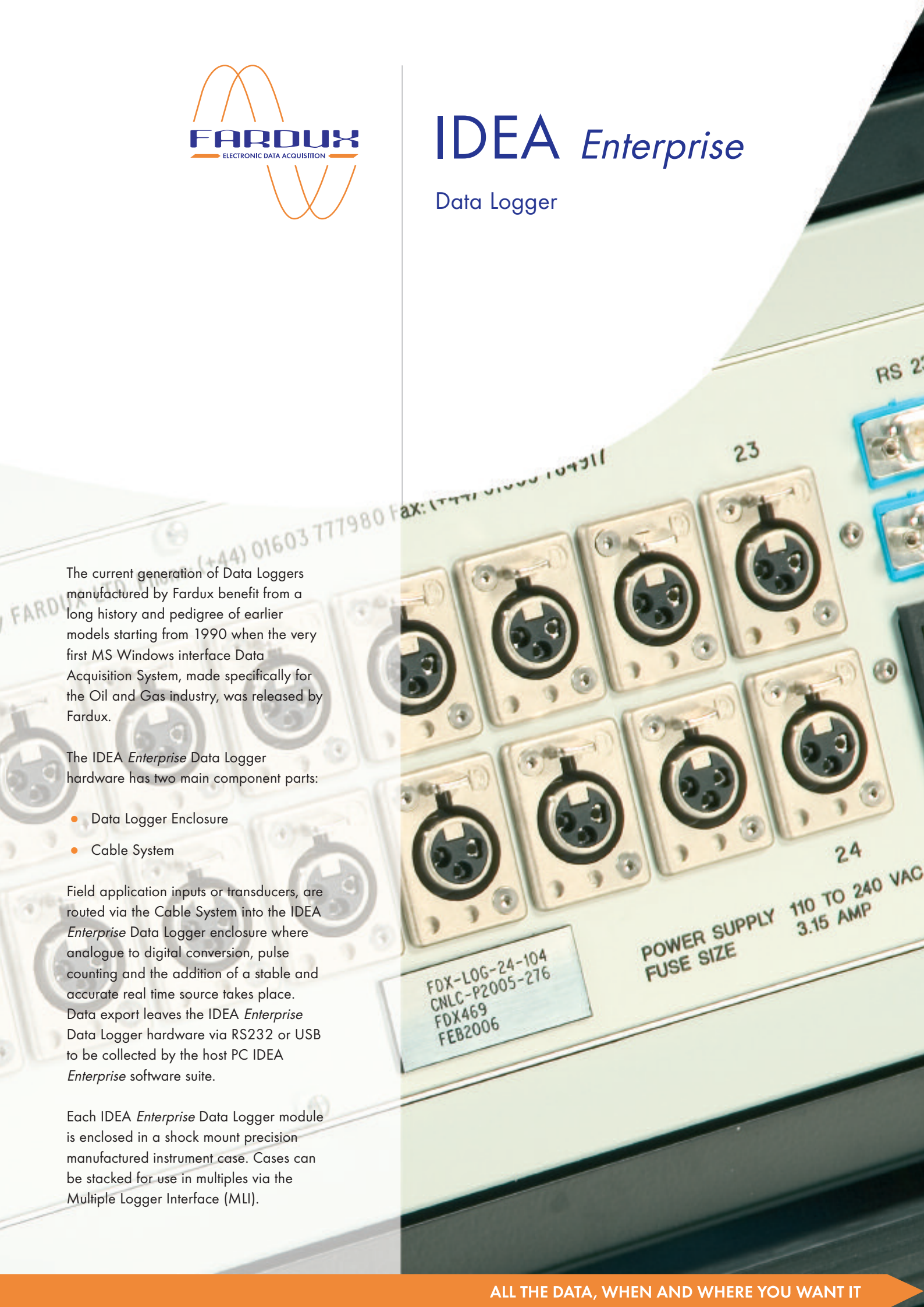
IDEA *Enterprise*

Data Logger

The current generation of Data Loggers manufactured by Fardux benefit from a long history and pedigree of earlier models starting from 1990 when the very first MS Windows interface Data Acquisition System, made specifically for the Oil and Gas industry, was released by Fardux.

The IDEA *Enterprise* Data Logger hardware has two main component parts:

- Data Logger Enclosure
- Cable System

Field application inputs or transducers, are routed via the Cable System into the IDEA *Enterprise* Data Logger enclosure where analogue to digital conversion, pulse counting and the addition of a stable and accurate real time source takes place. Data export leaves the IDEA *Enterprise* Data Logger hardware via RS232 or USB to be collected by the host PC IDEA *Enterprise* software suite.

Each IDEA *Enterprise* Data Logger module is enclosed in a shock mount precision manufactured instrument case. Cases can be stacked for use in multiples via the Multiple Logger Interface (MLI).

IDEA *Enterprise*

Data Logger

The IDEA *Enterprise* Data Logger is essentially a 24 channel module which can be extended via the MLI up to 120 channels.

Our cable systems employ the best quality cable and termination connectors available for the environment. All connectors have injection moulded sealed boots for full environmental protection and strain relief. Bayonet connectors make the rig-up fast, to get the job done. Cable reels are all designed for purpose to withstand harsh conditions and rough handling. Construction material is stainless steel to avoid corrosion.

Number of Channels	12 per module (combination of Pulse and Analogue)
Analogue to Digital Conversion	16 Bit, 12 channels, addressable
Micro - Processor	89 C52 Embedded MicroController System Control Firmware Onboard High Accuracy Real Time Clock BAUD Rate 115200 8 data bits, 1 start bit, 1 stop bit, no parity
Software Compatibility	IDEA *Enterprise* Software Suite
Power Supply	Switch Mode 110 to 240 VAC, 40 to 60 Hz 4 amp, 100W
Pulse Logic Counter	Up to 6 channels per card, addressable
Comms Card	RS232 Isolated Output
Power Card	Plus 12, 5V, Minus 12V
Intrinsically Safe	Shunt Diode MTL7706, MTL7707 ATEX certified
Memory Option	1 GB data storage for unattended or backup operations. Flash Card storage
Enclosure Dimensions	Width 59 x Height 28 x Depth 53cm
Enclosure Weight	30Kg