



RMS INSTRUMENTS

For Geophysical Exploration

www.rmsinst.com

AIRBORNE / MOBILE GEOPHYSICAL EXPLORATION & EARTH SCIENCES SYSTEMS



**ADAPTIVE AEROMAGNETIC
REAL-TIME COMPENSATION &
DATA ACQUISITION**



**INDIVIDUAL COMPONENTS OR
COMPLETE SYSTEM INTEGRATION**
WITH ENGINEERING ASSISTANCE AND
SUPPORT



AIRBORNE ELECTROMAGNETIC VLF SYSTEMS

THE VERY POPULAR HERZ TOTEM-2A VLF
(COMPLEMENTS AEROMAGNETIC DATA)

MAGNETOMETERS

HIGH-SENSITIVITY CESIUM AIRBORNE AND PORTABLE MAGNETOMETERS

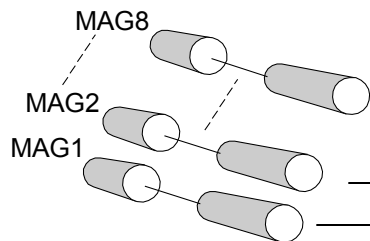
POWER DISTRIBUTION UNITS

GRAPHIC RECORDERS, DATA LOGGERS, POWER-LINE MONITORING RECORDERS

MONITOR AND VERIFY THE INTEGRITY OF YOUR DATA

RMS INSTRUMENTS' YEARS OF EXPERIENCE IN THE DESIGN AND MANUFACTURING OF THE ABOVE EQUIPMENT HAVE CONTRIBUTED TO OUR CUSTOMERS' SUCCESS, SUPPORTED BY OUR CONTINUOUS RESEARCH AND DEVELOPMENT

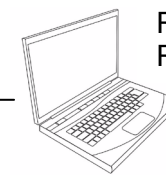
FLUXGATE VECTOR MAG
(ATTITUDE REFERENCE)



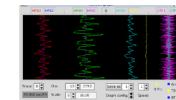
MAGNETOMETER SENSORS

- Up to 8 high-sensitivity sensors
- Cesium, Potassium, Helium

Larmor-frequency signals &
power to mags.



REMOTE CONTROL &
REAL-TIME MONITORING



RSI GAMMA-RAY
SPECTROMETER



RADAR / LASER
ALTIMETER(S)



VLF
ELECTROMAG.
SYSTEM



NAVIGATION
SYSTEM



GPS ANTENNA
(EMBEDDED GPS
RECEIVER)



DAARC500 DATA ACQUISITION & ADAPTIVE
AEROMAGNETIC REAL-TIME COMPENSATOR



PDU500 POWER DISTRIBUTION UNIT

General-Purpose Data Acquisition

- 16 analog inputs (differential, 16-bit resolution); embedded barometric-pressure & temperature sensors
- 8 serial (RS232) I/O channels
- Ethernet (1 Gbps, multiple logical connections)

Data Monitoring & Recording

- Dual, embedded, solid-state drives – redundant real-time data recording
- Real-time graphical & numerical monitoring: built-in display, external display, chart recorder



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AIRBORNE GEOPHYSICAL EXPLORATION CONFIGURATION

Apr/2025