

FEATURES

- Heat or ink writing
- Up to three channels
- Up to 72 hours on a single record
- Rectilinear recording

The Helicorder[®], Model RV-301B, was designed to fulfill a need in the data handling industry for a long-term recorder which produces an extremely compact record.

The Heat Writing Helicorder[®] uses heat-sensitive paper which eliminates the maintenance associated with ink writing stylus.

The Ink Writing Helicorder[®] is designed for applications where low power consumption is a critical requirement. An inexpensive recording paper accommodates a semifast drying ink which is readily available.

Both heat and ink versions are available with rectilinear pens. The curvilinear pen is available in heat writing only.

Helicorder[®] is a registered trademark of Geotech Instruments.

HELICORDER[®]

MODEL RV-301B



HELICORDER MODEL RV-301B SPECIFICATIONS

OPERATING CHARACTERISTICS

Number of Channels	One, standard two or three channel, optional
Pen Deflection	50 mm (1.97 in.) rectilinear
Sensitivity	2 mV/mm powered by a Model AR-320B Amplifier
Line Width	0.127 mm (0.010 in.) average
Drum Rotation	10 to 90 minutes/revolution (adjustable by gear change)
Pen Motor Translation	0.55 to 45 mm/revolution, dependent on drum speed (adjustable by gear change)
Linearity	2% straight line signal amplified by Model AR-320B Amplifier
Frequency Response	Flat ± 1 dB from dc to 20 Hz, signal amplified by a Model AR-320B Amplifier
Recording Media	
Direct	Heat sensitive paper (direct copying), 96.5 x 30 cm (38 x 11.89 in.)
Ink	Any glossy or enameled backed litho type paper (direct copying), 96.5 x 30 cm (38 x 11.89 in.)
Recording Time	72 hours maximum for single channel model
	36 hours maximum for two channel model
	24 hours maximum for three channel model

Power Consumption (115/230 Vac)

Heated Stylus 25 VA (typical), add 4 VA for
each additional heated stylus
channel.

Ink Stylus 21 VA (typical)

Controls

Stylus heat

On/Off/Reset

Pen lift/Pen pressure

PHYSICAL CHARACTERISTICS

Dimensions (nominal)

Height 36 cm (14 in.)

Width 48 cm (19 in.)

Depth 33 cm (13 in.)

Net Weight

14.5 kg (32 lbs.)

Connectors

Input MS3102A-10SL-3P mating to
MS3106A-10SL-3S

Power MS3102A-16S-1P(C) mating to
MS3106A-16S-1S(C), 1.8 meter
cable assembly (6 ft.)

OPTIONS

Curvilinear Pen:

Curvilinear pen providing
100 mm of deflection with a
sensitivity of 1 mV/mm (with
AR-320B Amplifier), typical.
Please specify curvilinear option
when ordering.
(Available for heat writing only.)