

SPECIFICATIONS

MODEL 7168 nV SCANNER CARD

CHANNELS PER CARD: 8

CONTACT CONFIGURATION: 2 poles per channel, input HI and LO.

CONNECTOR TYPE: Screw terminal to bare copper printed circuit pad.

MAXIMUM SIGNAL LEVEL: 10V, 50mA, peak (resistive load)

CHANNEL TO CHANNEL CROSSTALK: -46dB (typical) at 1KHz with 20K Ω terminations.

CONTACT RESISTANCE: <120

CONTACT POTENTIAL (HI to LO) BETWEEN CHANNELS: <30nV when properly zeroed with supplied leads (see manual for recommended procedure). Typically <60nV without zeroing.

Temperature Coefficient: <6nV/ $^{\circ}$ C between channels

CONTACT TYPE: Solid-state JFET switch

ACTUATION TIME: <3ns, exclusive of mainframe

INPUT LEAKAGE: <50pA per channel at 23 $^{\circ}$ C

INPUT ISOLATION: >10 $^{\circ}$ Ω , <40pF between any input terminals or between any input terminal and earth.

COMMON MODE VOLTAGE: 30V peak

MAXIMUM VOLTAGE BETWEEN ANY TWO TERMINALS: 10V

GENERAL

WARMUP: 2 hours in mainframe for thermal stability.

ENVIRONMENT

Operating: 0 $^{\circ}$ to 40 $^{\circ}$ C, up to 35 $^{\circ}$ C at 70% RH

Storage: -25 $^{\circ}$ C to 60 $^{\circ}$ C

DIMENSIONS, WEIGHT: 32mm high \times 114mm wide \times 272mm long (1 $\frac{1}{4}$ " \times 4 $\frac{1}{2}$ " \times 10 $\frac{3}{4}$ "). Net weight 0.53kg (11.5 oz.)

ACCESSORIES SUPPLIED: 7168-316 Input Cable, Eight supplied
Model 1507 Input Cable

ACCESSORY AVAILABLE: Model 1483 Low Thermal Connection Kit

Specifications subject to change without notice.