

Model 6522 Low Current/Voltage Scanner

CHANNELS PER CARD: 10.

FUNCTIONS: Volts, Amps.

CONTACT CONFIGURATION:

Voltage Mode: Single pole break-before-make for signal HI input. Guard is common for all 10 channels and output.

Current Mode: Single pole break-before-make for signal HI input. Signal LO is common for all 10 channels and output. When a channel is off, signal HI input is connected to signal LO via a relay. All channels connect to signal LO in a make-before-break configuration between channel closures so that the current path is never interrupted.

All relays open when power is off.

SCAN SPEED:

1.5 channels/second with default settings.^{1,2}

43 channels/second maximum speed.^{1,2,3}

¹ When used with 6517 Electrometer.

² Scan speeds are for fixed range readings for 200V and 20mA 6517 ranges, into data buffer.

³ 6517 Filter off, speed fast, settling time 0 seconds.

CONNECTOR TYPE: Inputs: Triaxial. Outputs: Triaxial.

SIGNAL LEVEL: 200V, 500mA, 10VA (resistive load).

CONTACT LIFE: $>10^6$ closures at maximum signal level; $>10^7$ closures at low signal levels.

CONTACT RESISTANCE: $<1\Omega$.

CONTACT POTENTIAL: $<200\mu\text{V}$.

OFFSET CURRENT: $<1\text{pA}$ ($<30\text{fA}$ typical at 23°C, $<60\%$ RH).

CHANNEL ISOLATION: $>10^{13}\Omega$, $<0.3\text{pF}$.

INPUT ISOLATION: $>10^{10}\Omega$, $<125\text{pF}$ (Input HI to Input LO).

ACTUATION TIME: 2ms.

COMMON MODE VOLTAGE: $<250\text{V}$ peak.

ENVIRONMENT:

Operating: 0°C to 50°C up to 35°C at 70% RH.

Storage: -25°C to 65°C.

DIMENSIONS, WEIGHT: 38mm high \times 70mm wide \times 242mm deep (1.5 \times 2.75 in \times 9.5 in). Net weight 623g (22 oz).

Specifications are subject to change without notice.

