

# Model 6521 Low Current Scanner

**CHANNELS PER CARD:** 10.

**FUNCTIONS:** Amps.

**CONTACT CONFIGURATION:**

**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 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.<sup>1,2</sup>

43 channels/second maximum speed.<sup>1,2,3</sup>

<sup>1</sup> When used with 6517 Electrometer.

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

<sup>3</sup> 6517 Filter off, speed fast, settling time 0 seconds.

**CONNECTOR TYPE:** Inputs BNC, Outputs Triaxial.

**SIGNAL LEVEL:** 30V, 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).

**ACTUATION TIME:** 2ms.

**COMMON MODE VOLTAGE:**  $<30\text{V}$  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 in  $\times$  2.75 in  $\times$  9.5 in). Net weight 623g (22 oz).

Specifications are subject to change without notice.

