# 2000-SCAN-20 Scanner Option

# **Specifications**

#### GENERAL:

**20** Channels: 20 channels of 2-pole relay input. All channels configurable to 4-pole. Relay Type: Latching electromechanical.

Actuation Time: <3.5ms.

 $\textbf{CAPABILITIES:} \ \textbf{Multiplex} \ one \ of \ twenty \ 2\text{-pole} \ or \ one \ of \ ten \ 4\text{-pole} \ signals \ into \ DMM. \\ \textbf{INPUTS}$ 

#### Maximum Signal Level:

DC Signals: 60V DC, 0.5A switched, 30VA maximum (resistive load).

AC Signals: 30V AC rms or 42.4V AC peak, 100kHz maximum, 0.5A switched, 15VA maximum (resistive load).

Contact Life:  $>10^5$  operations at maximum signal level;  $>10^8$  operations cold switching. Contact Resistance:  $<1.5\Omega$  at end of contact life.

Contact Potential:  $<\pm 1\mu V$  typical per contact,  $2\mu V$  max.  $<\pm 1\mu V$  typical per contact pair,  $2\mu V$  max.

Connector Type: 44 pin male D-subminiature.

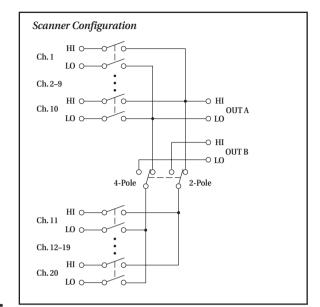
Isolation Between Any Two Terminals: >108Ω, <75pF.

Isolation Between Any Terminal and Earth:  $>10^8\Omega$ , <150 pE

Common Mode Voltage: 42.4VAC peak; 60VDC between any terminal and earth.

Maximum Voltage Between Any Two Terminals: 42.4VAC peak, 60VDC.

Maximum Voltage Between Any Terminal and Model 2000 Input LO: 42.4VAC peak, 60VDC



### **Internal Scanner Speed**

MAXIMUM INTERNAL SCANNER RATES

RANGE: Channels/s<sup>1</sup> TRIGGER DELAY = 0

	DCV <sup>2</sup>	ACV <sup>2,3</sup>	2 WIRE OHMS <sup>2</sup>	4 WIRE OHMS <sup>2</sup>	TEMPERATURE 2	
_	All: 100	All: 90	All : 95	<10MΩ:31	All: 60	

#### TRIGGER DELAY = AUTO

		2 WIRE	4 WIRE		
DCV <sup>2</sup>	ACV <sup>2,3</sup>	OHMS <sup>2</sup>	OHMS <sup>2</sup>	TEMPERATURE 2	
0.1 V:95	All: 1.8	$100 \Omega: 81$	$100 \Omega: 28$	All: 60	
1 V: 100		1 kΩ : 81	$1 \text{ k}\Omega$ : 28		
10 V: 101		$10 \text{ k}\Omega:42$	$10 \text{ k}\Omega:21$		
100 V:70		100 kΩ : 28	100  kΩ : 17		
1000 V:70		1 MΩ:8	$1 \text{ M}\Omega:7$		
		$10 \mathrm{M}\Omega$ : 5	$10 \text{ M}\Omega:5$		
		$100 \text{ M}\Omega:3$	$100 \text{ M}\Omega:3$		

## **Internal Scanner Speed Notes**

- Speeds are for 60Hz operation using factory default operating conditions (\*RST). Auto Zero off, Auto Range off, Display off, sample count = 1024.
- 2. NPLC = 0.01.
- 3. DETector:BANDwidth 300.

#### ENVIRONMENTAL:

**Operating Environment:** Specified for 0°C to 50°C. Specified to 80% R.H. at 35°C.

Storage Environment: -40°C to 70°C.

DIMENSIONS, WEIGHT: 21mm high  $\times$  72mm wide  $\times$  221mm deep (0.83 in.  $\times$  2.83 in.  $\times$  8.7 in.). Adds 0.3kg (7 oz.).

Specifications are subject to change without notice.