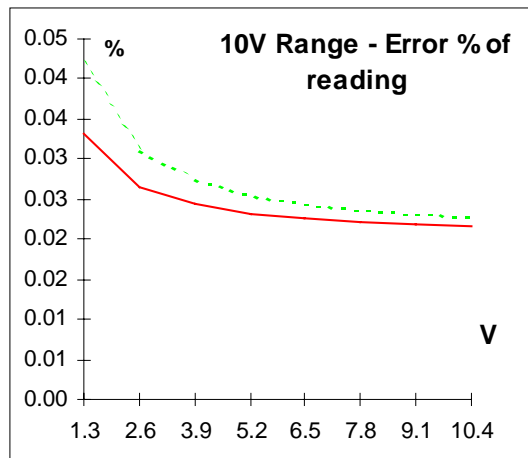
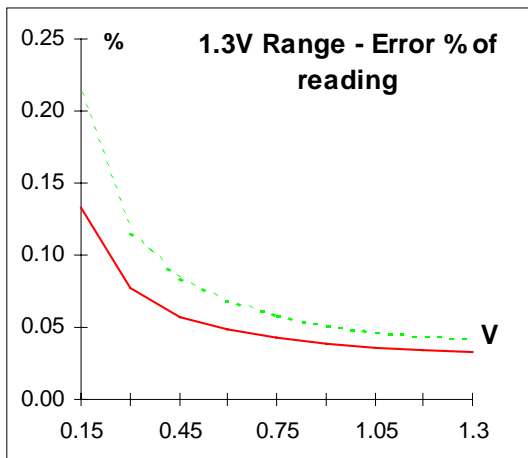
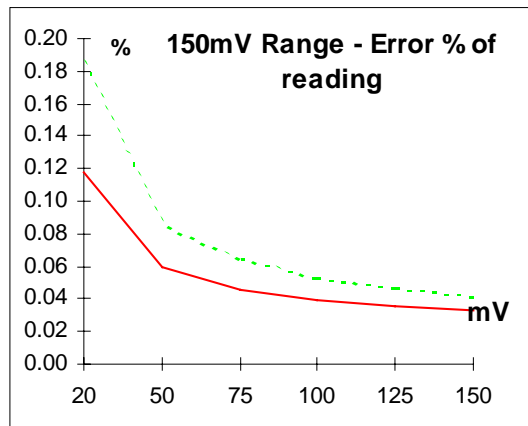
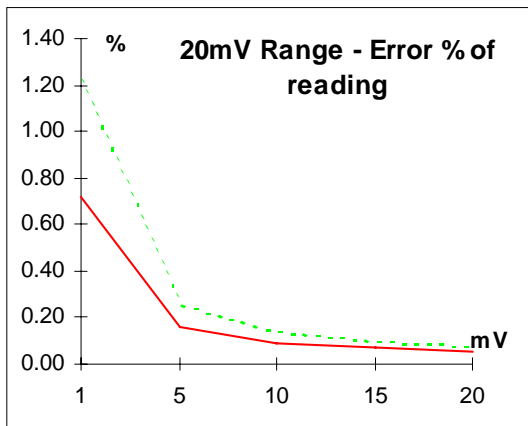


DATASCAN 7000 Distributed Data Acquisition System

Voltage readings accuracy

The following graphs give the maximum error in % of the reading for each range when using a 7020/21 DATASCAN Module, as per datasheet formulas:

Range	Error as per datasheet
10 V range	+/- 0.02%rdg + 0.01% range +1 bit
1.3 V range	+/- 0.02%rdg + 0.01% range +1 bit
150 mV range	+/- 0.02%rdg + 0.01% range +1 bit
20 mV range	16 bits +/- 0.02%rdg + 0.01% range + 5µV 14 bits +/- 0.02%rdg + 0.01% range + 10 µV



Legend

Full line: 16 bit resolution

Dotted line: 14 bit resolution.

Note: The above document must not be interpreted as a definitive statement, or as a replacement to the existing specification, but as a guide giving greater detail to the Voltage measurement accuracy as stated in the published specification.