RAZTEC
(NZ) LIMITED
ISO 9001

This new high precision Hall Effect Current Transducer allows us to considerably upgrade the performance of our traditional range, bringing the performance of our low cost open loop sensors very close to the performance of closed loop sensors without compromising size.

Our Products - RAZCP

Our super compact precision model.

Maximum Ratings (T_A = 25°C)

Parameter	Symbol	Value	Unit
Operating Temperature	T_A	-40 to +150	°C
Storage Temperature	T_{stg}	-65 to +170	°C
Supply Voltage	V_s	8	V
Measured Current	I_m	No Flux Limit	A

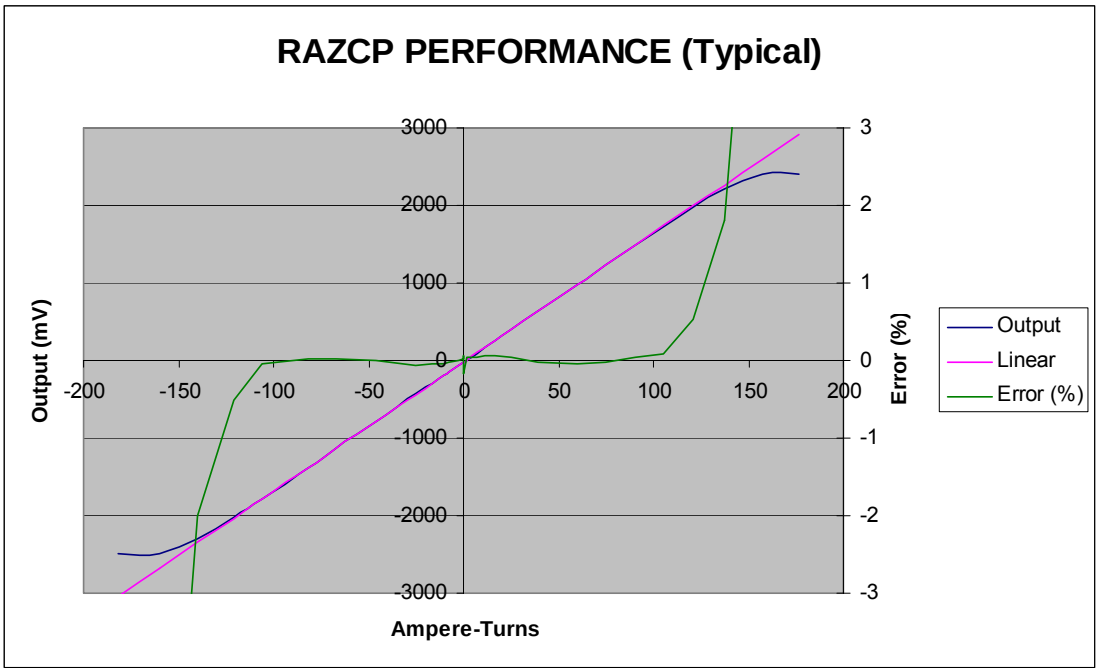
Characteristics (T_A = 25°C)

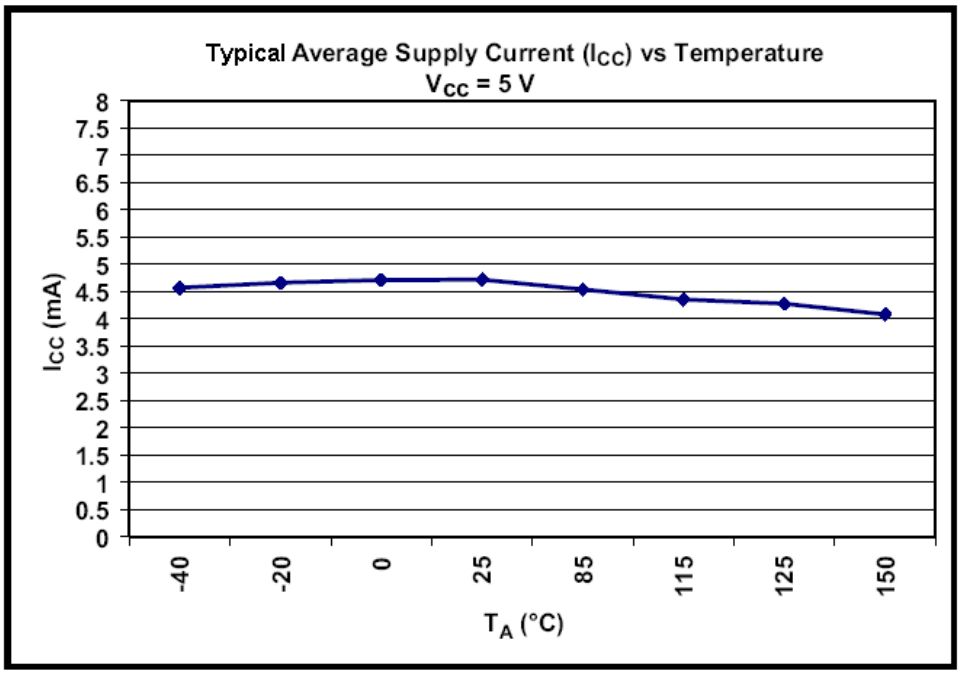
Parameter	Symbol	Lower Limit	Typical	Upper Limit	Unit
Supply Current	Is		5.6	8	mA
Supply Voltage	Vs	4.5	5.0	5.5	V
Null Output (Vs = 5V)	Vo	2.425	2.5	2.575	V
Transfer Function (per turn)	ΔV/I	14.7	16.7**	18.7	mV/A
Linearity (±80AT)			0.1	0.2	%
Hysteresis (0 to 50AT)	Hys		0.05	0.2	%
Null drift due to temperature change	$TC_{\Delta Vo/Vo}$		+/-0.07	+/-0.13	mV/K
Gain Change due to temperature change	TC_G		+0.05 *		%/K
Risetime 0 to 20AT	Tr		15		µs
Frequency Response (-3dB)			30		kHz
Output Resistance			1.5	3	Ω

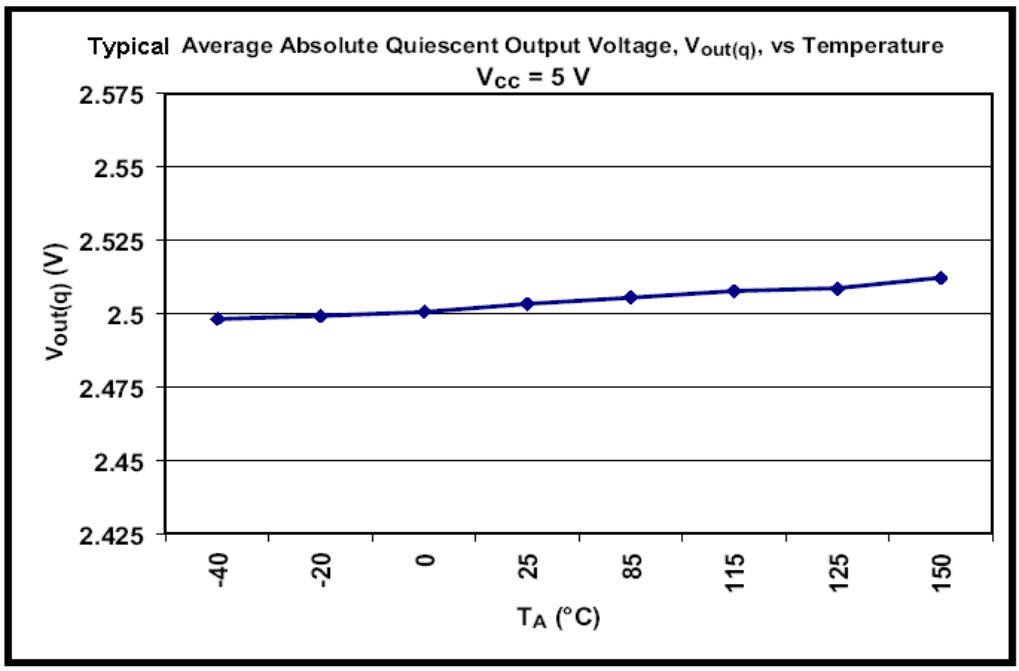
* Tighter specification units available on request

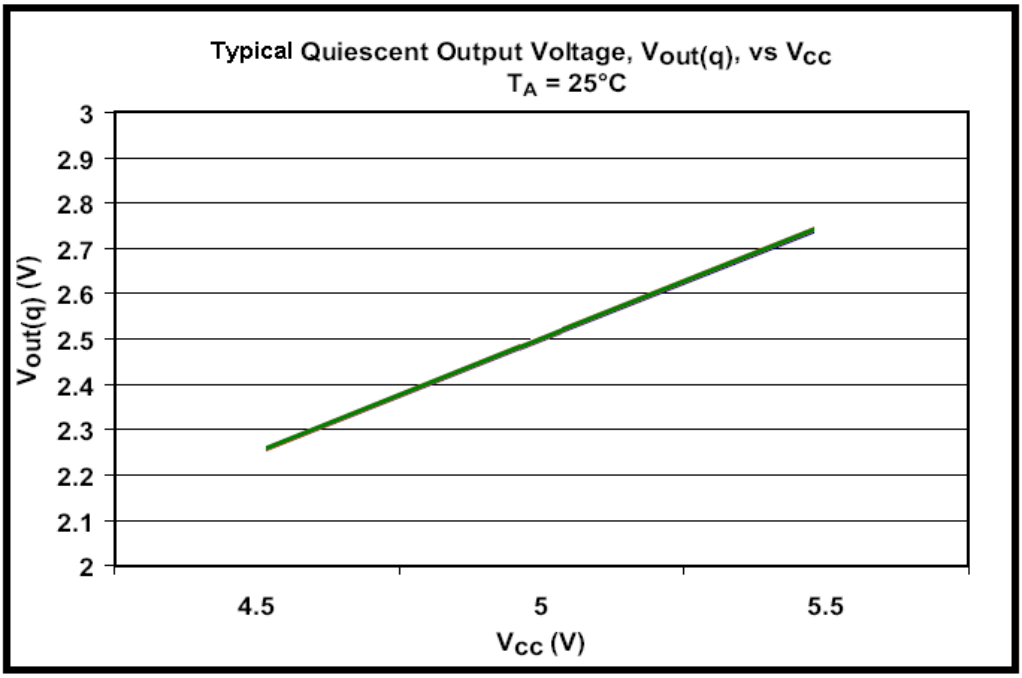
** Alternative gain/current rating available on request

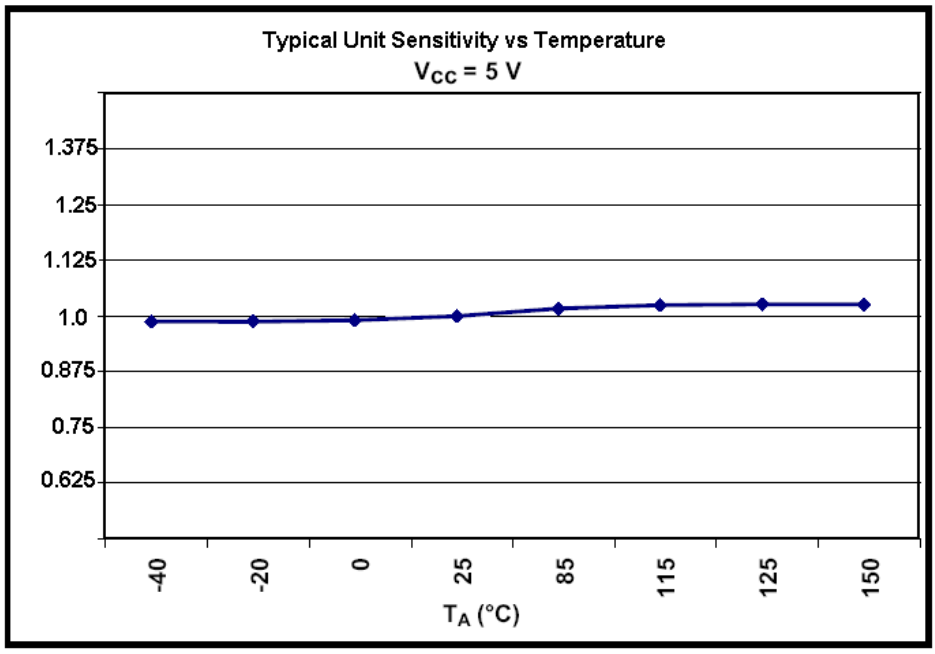
Performance Characteristics

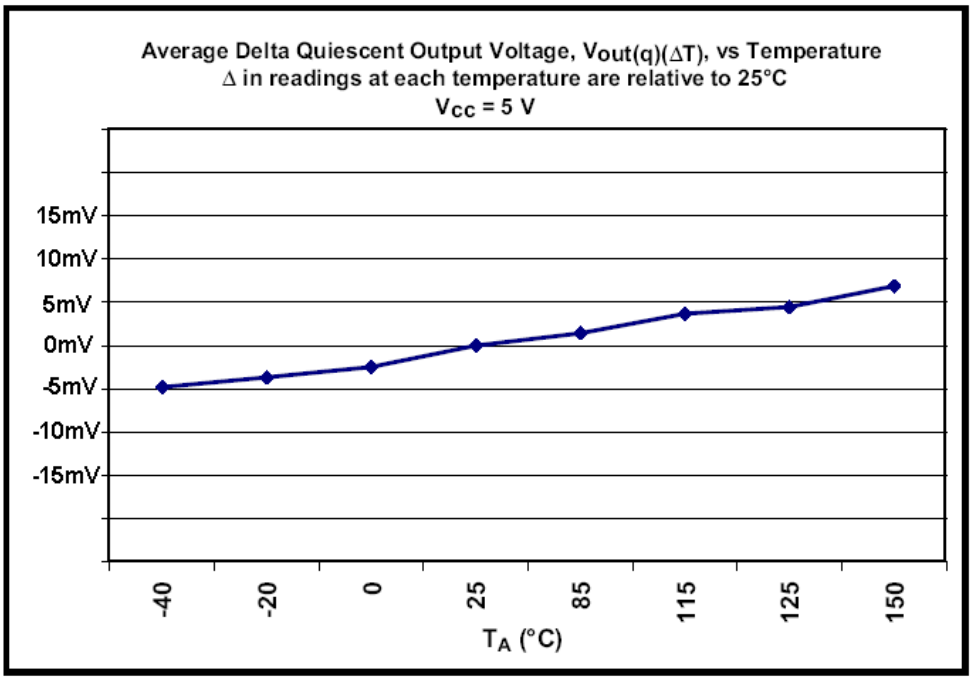












Raztec (NZ) Ltd operate a continuous product improvement program, therefore information contained in our datasheets may not reflect all current features.
For clarification please contact sales@raztec.co.nz

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