

# NEW HIGH SPEED MODEL

*This new 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 - RAZCH*

Our super compact model.



### *Maximum Ratings ( $T_A = 25^\circ\text{C}$ )*

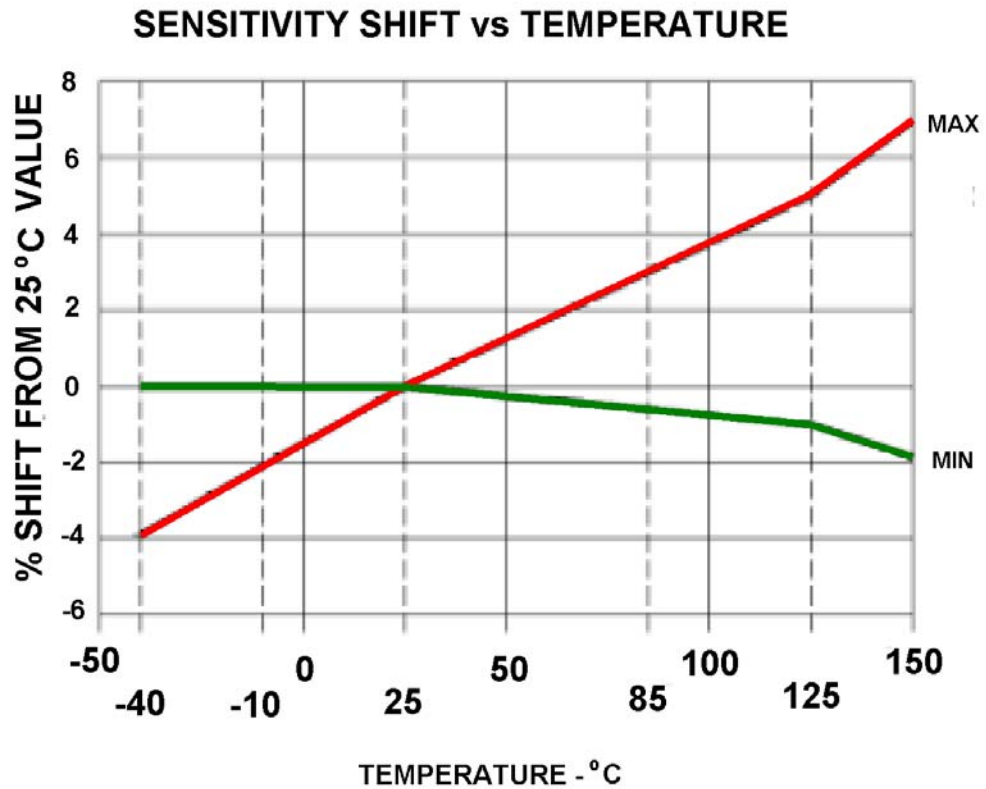
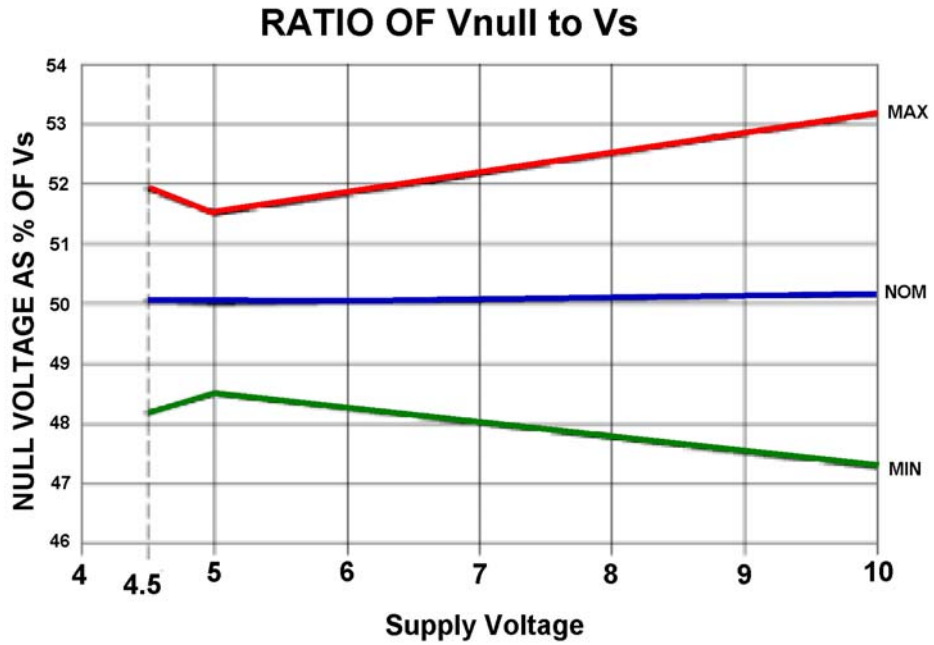
Parameter	Symbol	Value	Unit
Operating Temperature	$T_A$	-40 to +125	$^\circ\text{C}$
Storage Temperature	$T_{\text{stg}}$	-40 to +150	$^\circ\text{C}$
Supply Voltage	$V_s$	10.5	V
Measured Current	$I_m$	No Flux Limit	A

## Characteristics ( $T_A = 25^\circ\text{C}$ )

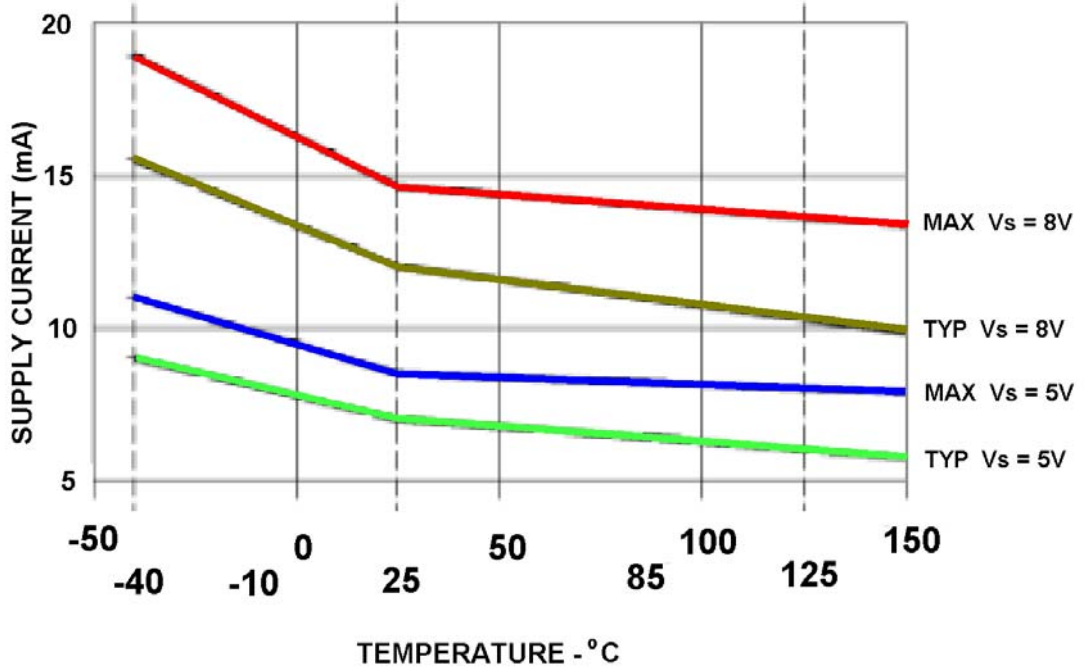
Parameter	Symbol	Lower Limit	Typical	Upper Limit	Unit
Supply Current	$I_s$		7	8.7	mA
Supply Voltage	$V_s$	4.5	5.0	10.5	V
Null Output ( $V_s = 5\text{V}$ )	$V_o$	2.425	2.5	2.575	V
Transfer Function (per turn)	$\Delta V/I$	Specification can be adjusted to specific needs from 7mV/A to 22mV/A for sensors rated from 100A to 300A.			mV/A
Linearity ( $\pm 80\text{AT}$ )			1	2	%
Hysteresis (0 to 50AT)	Hys		0.2	0.4	%
Null drift due to temperature change	$TC_{\Delta V_o/V_o}$		+/- 0.08	+/- 0.8 *	mV/K
Gain Change due to temperature change	$TC_G$			-0.01 to +0.06	%/K
Risetime 0 to 20AT	$T_r$		5		$\mu\text{s}$
Frequency Response (-3dB)			120		kHz

\* Tighter specification units available on request

## Performance Characteristics



### SUPPLY CURRENT vs TEMPERATURE



### SENSITIVITY vs SUPPLY VOLTAGE

