



**Data Sheet Supplement  
Version 1.1**

**Dynamic Differential Hall Effect Sensor**

**TLE4927C**

For all parameters not specified in this document the TLE4925C data sheet is valid.



Type	Marking	Ordering Code	Package
TLE4927C	27C	SP000373702	PG-SSO-3-9

**1. Magnetic Characteristics** in Running Mode

Minimum signal amplitude	$ \Delta B_{\min} $	0.35	0.75	1.35	mT	
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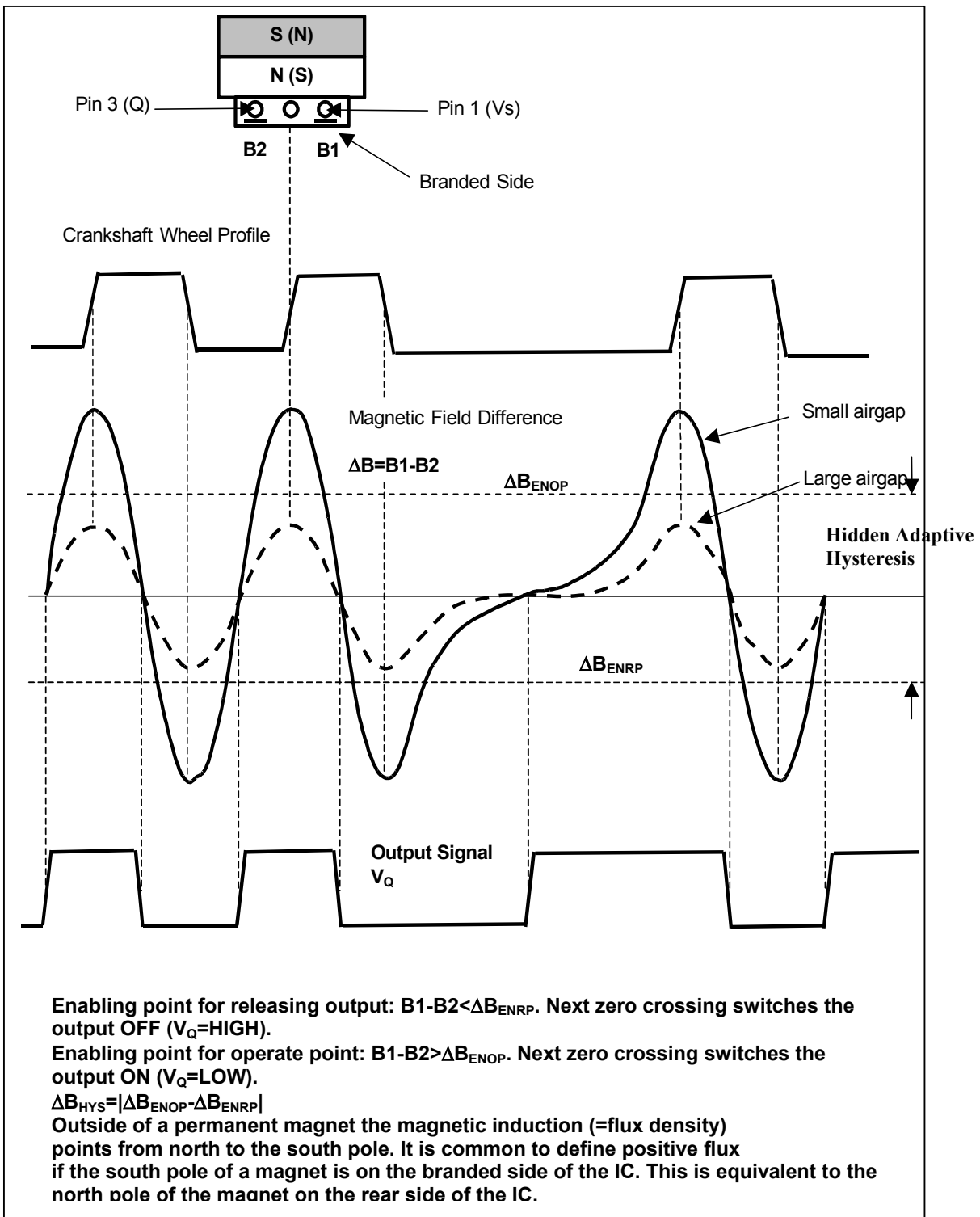


Figure 1 System operation with hidden adaptive hysteresis

## 2. Typical Hysteresis Values

PGA	GainRange	Hysteresis (peak to peak)	FullRange =MaxSignal	Percentage thresholds
X1	6	13.5 mT	±120mT	5,625%
X2	5	10.12 mT	±60mT	8.433%
X4	4	6.75 mT	±30mT	11.25%
X8	3	4.5 mT	±15mT	15%
X16	2	3 mT	±7,5mT	20%
X32	1	2 mT	±3,75mT	26.66%
X64	0	1.5mT	±1,875mT	40%

<b>Revision History:</b>		<b>December 2007</b>	<b>Version 1.1</b>
Previous Version: 1.0			
<b>Page</b>	<b>Subjects (major changes since last revision)</b>		
1	Ordering code added		

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