



**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	
-----------------------------	---------------------	------	------	------	----	--

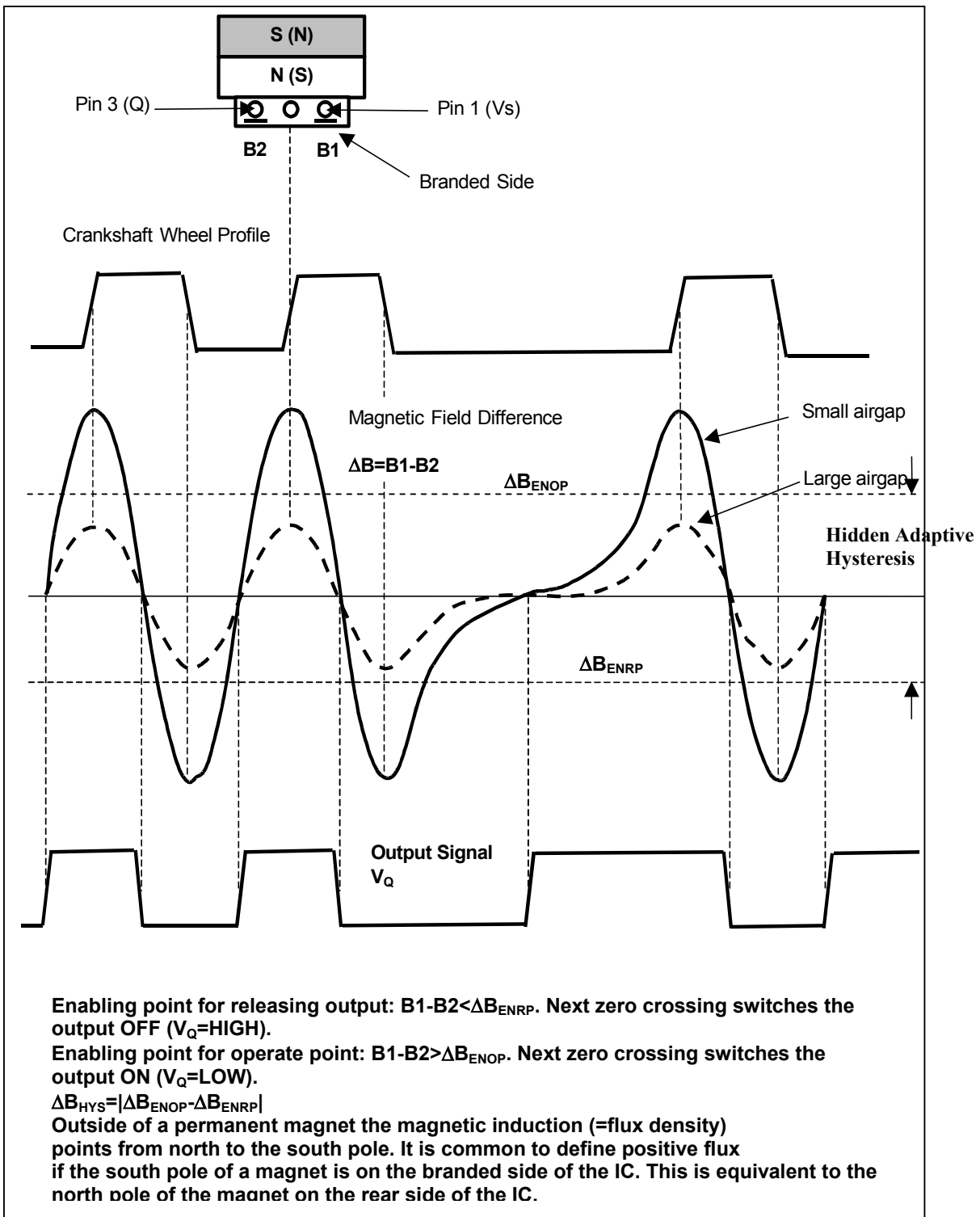


Figure 1 System operation with hidden adaptive hysteresis

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

**Infineon Technologies AG**  
© Infineon Technologies AIM SC  
**All Rights Reserved.**  
<http://www.infineon.com/products/sensors>

**We Listen to Your Comments**

Any information within this document that you feel is wrong, unclear or missing at all?  
Your feedback will help us to continuously improve the quality of this document.  
Please send your proposal (including a reference to this document) to:

**Sensors@infineon.com**

