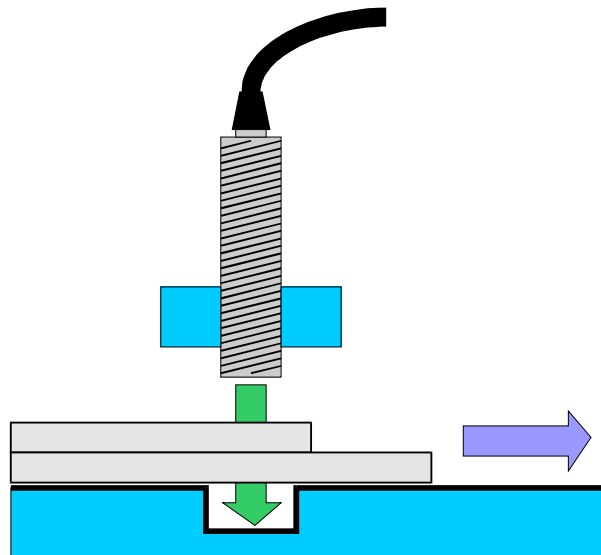


<b>Technical application example</b> <b>Proximity Sensor</b>	
<b>Documentnumber:</b>	<b>TR04HÖ414a-100.doc</b>
<b>Issue:</b>	
<b>Date:</b>	<b>24.May.2004</b>
<b>Author:</b>	<b>F. Höhne</b>
<b>Page count:</b>	<b>4</b>



## Situation

This version of the *ASTYX Proximity Sensor 2012* measures cardboard thickness for counting the number of cardboard layers.

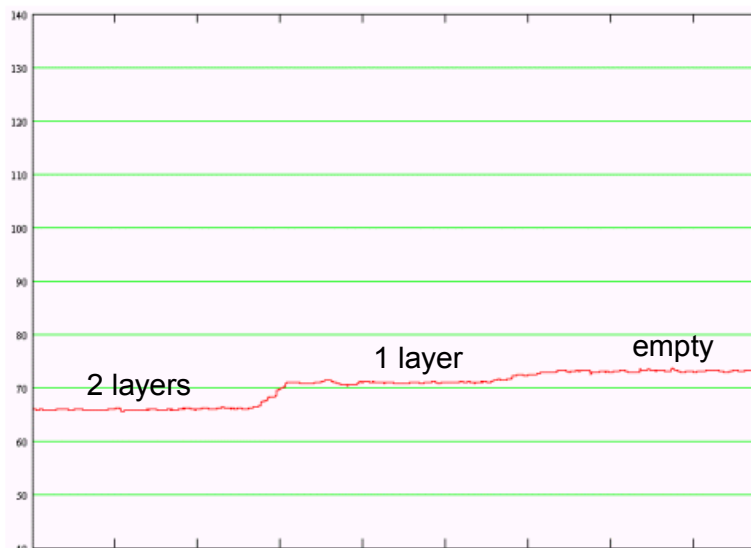


Count layers none to two

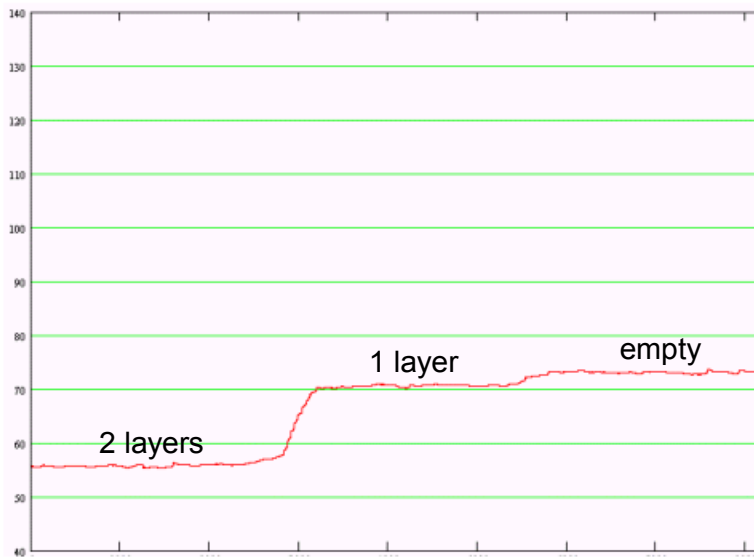
The sensor measures if and how many layers of cardboard are actually present. The measurement update rate of 1000 samples per second can be raised up to 5000 samples per second.

## Results

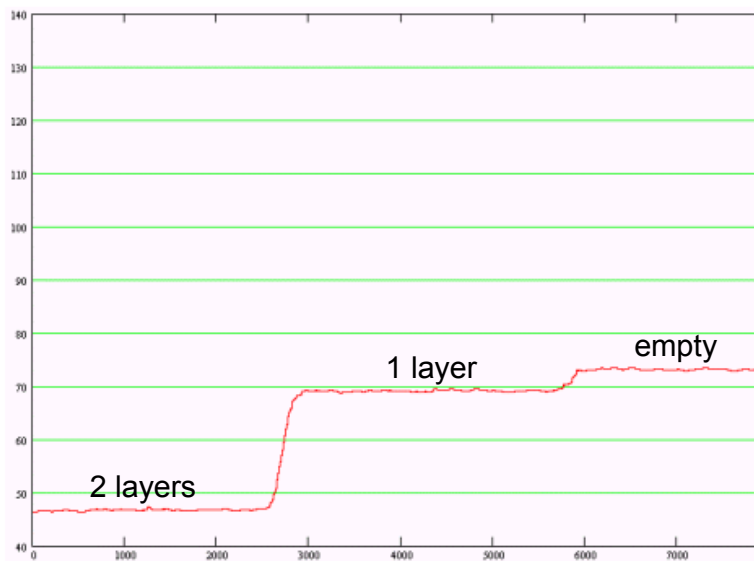
1) Cardboard: Thickness total: 1.85mm (single Layer)



2) Cardboard: Thickness total: 3.1mm (single Layer)



3) Cardboard: Thickness total: 3.3mm (double Layer)



## Contact

### ASTYX Communication & Sensors GmbH, Proximity Product

#### Headquarters

ASTYX GmbH, Communication &  
Sensors



Germany  
PO 1248  
85504 Ottobrunn

E-mail  
[info@astyx.de](mailto:info@astyx.de)

#### ASTYX, Inc., Communication & Sensors



U.S.A.  
116 W. Illinois Street  
Suite 3-E  
Chicago, IL 60610

E-mail  
[info@astyx.net](mailto:info@astyx.net)