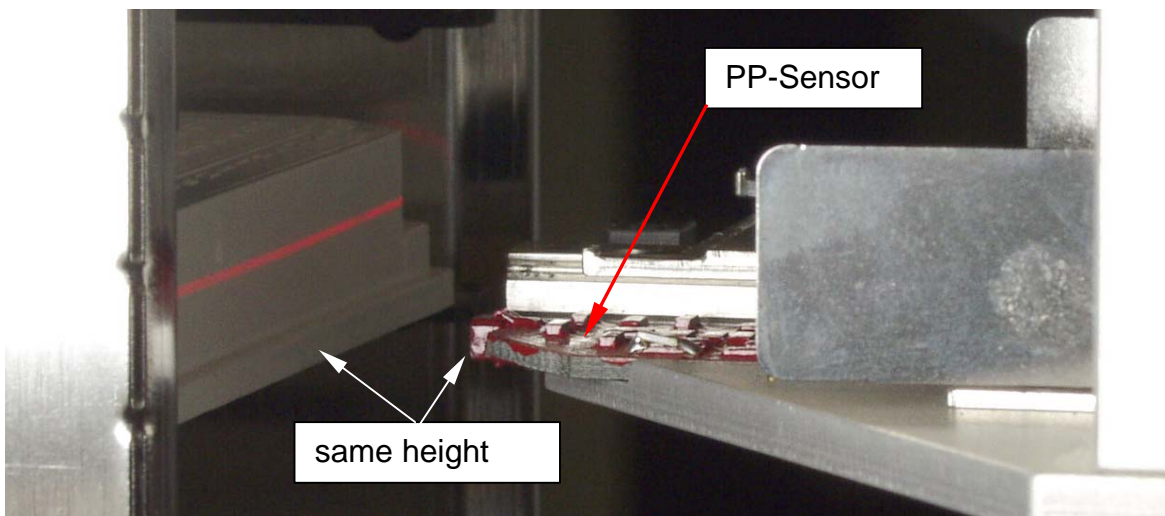


Title:	Barcode Adjustments Specification			ID:
				0002
Date in:	Response:	Model:	Author:	
2006-12-18	2006-12-18	All STX, STR, LPT	CMa	

Barcode Adjustments Specification

1.1 Software Adjustment for lab ware detector on slot

The height of the handler that is used during the barcode reads is saved on the PLC on the dm27. This offset is define so that the PP-Sensor is located at the same level than the lower lip of the plate. This value is an offset added to the transfer height, dm20 for the lowest level. This will be tested for several levels and the test is successfully if the software flag is high when a plate is present on this position.

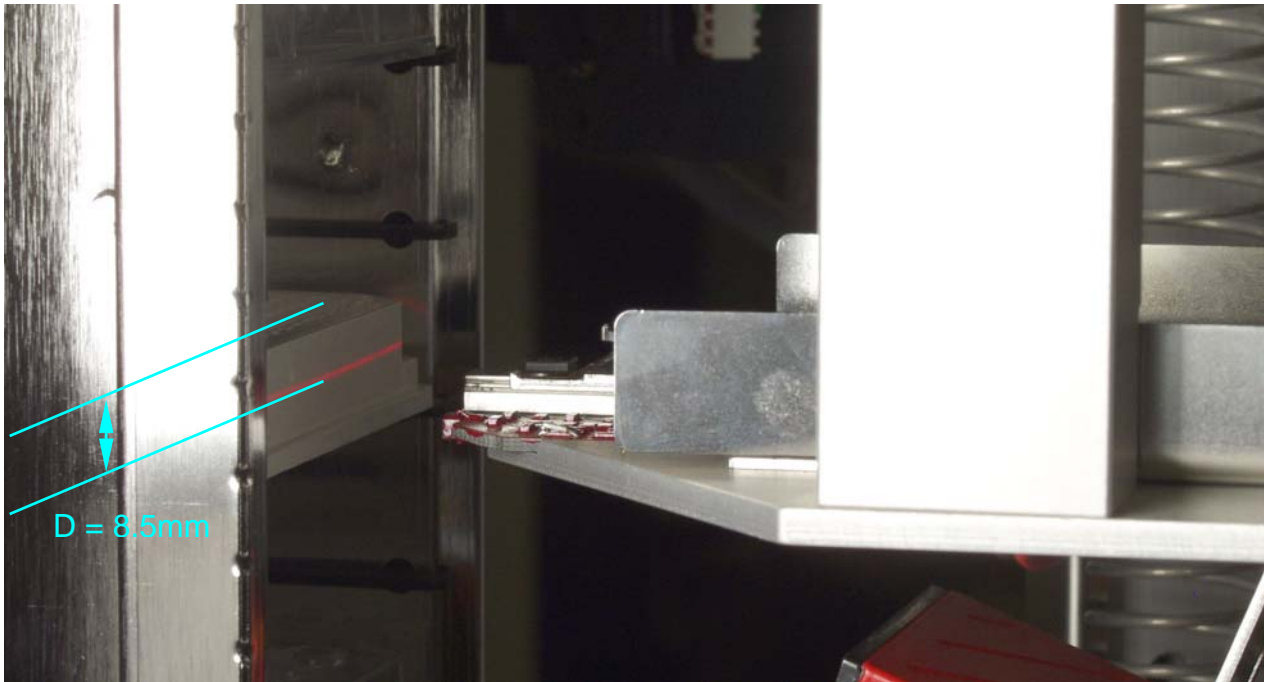


“This adjustment has to be done after the adjustments for the transfer of plates from/to the cassettes.”

**dm27 <= 0 for STP1000 so that handler reads the barcode on the transfer height. The reason is the option to read the barcode on the transfer station. In these case the plate can't be detected with the PP-Sensor.*

1.2 Hardware configuration to read BC from cassettes and transfer

The barcode ray has to be adjusted to the right position after the handles stays on the right height. The barcode ray must be visible on the plate in a distance of 8.5mm from the bottom border of the plate (as showed on the picture). This adjustment are done by moving the position of the BCR bracket. The barcode ray has to be parallel to the mtp plate.



1.3 Offset between lab ware transfer and barcode reading height

An FW variably “dm27” defines the offset between this two levels. The minimal value for it, is assigned during the calibration procedure on the factory. This minimal height brings the PP-Sensor to same level as the plate bottom border.

**dm27 <= 0 for STP1000 so that handler reads the barcode on the transfer height. The reason is the option to read the barcode on the transfer station. In these case the plate can't be detected with the PP-Sensor.*