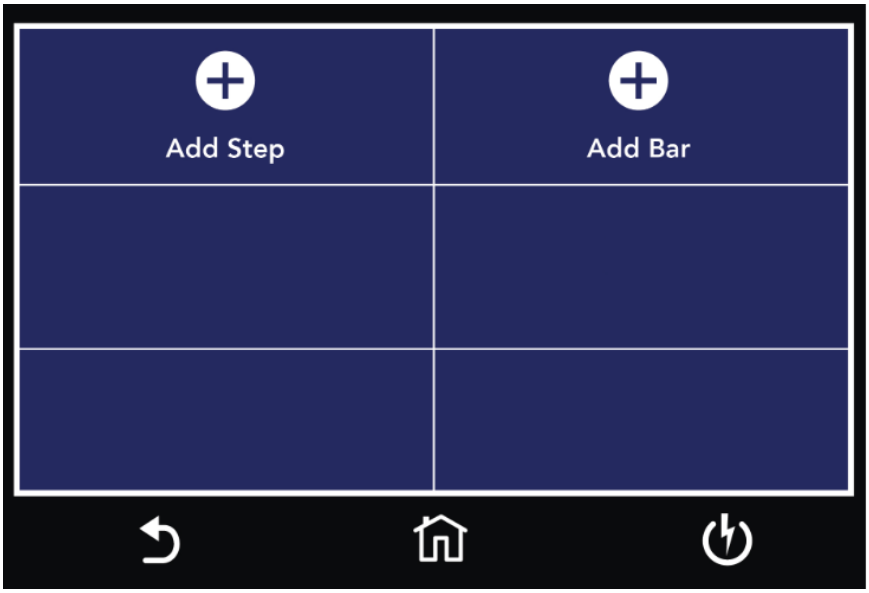
Understanding the new
Barcode I/P Feature and "Add Bar" File Parameter

ADD BAR

With the latest firmware update to the HypotULTRA series, a few key features have been optimized. This app note will cover the new functionality of the Barcode I/P feature found in the Hardware Menu as well as the "Add Bar" test file parameter.

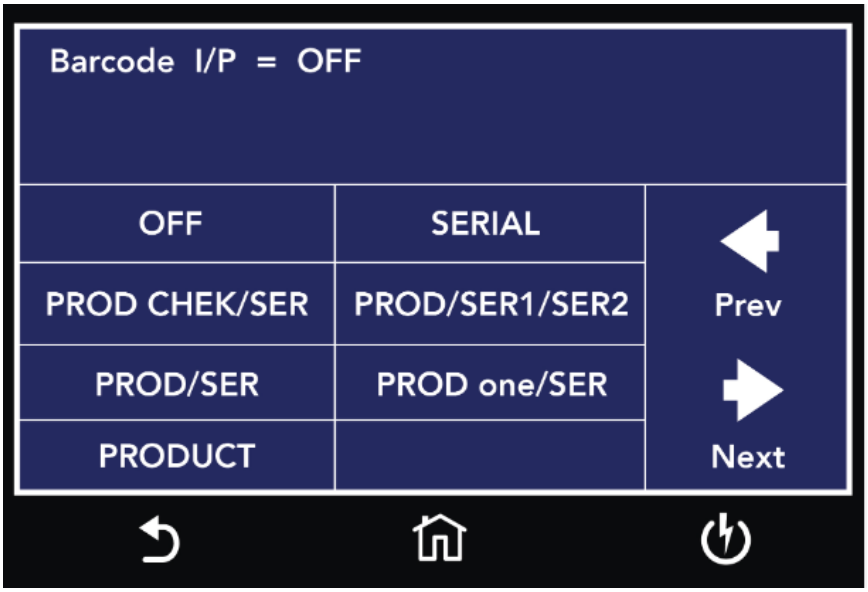


Previously, only the test file name was referenced when using the barcode feature. Now a user is free to name a file to their liking completely disassociated from the product number. Instead, the "Add Bar" parameter will be where a user input's their "product number". With a range up to 20 characters, this barcode (Product number) can now be used to auto-load a file in a variety of ways.

BARCODE

The Barcode function allows the user to connect a barcode scanner directly to the front panel of the instrument's barcode port. This is utilized to enter product and serial numbers information for testing.

Associated Research
28105 N. Keith Drive - Lake Forest, IL 60045 USA
T. 1-847-367-4077 F. 1-847-367-4080
info@arisafety.com www.arisafety.com



The Barcode I/P function can be set to OFF, SERIAL, PROD CHEK/SER, PROD/SER1/SER2, PROD/SER, PROD one/SER, and PRODUCT.

Note: This feature was designed with the intention of allowing a user to efficiently start a test with a scan from the barcode scanner. With Autostart OFF, some mode's will act similarly. Autostart ON is recommended.
Below is a table of how each setting will work with Autostart ON/OFF.

Mode	Autostart OFF	Autostart ON
SERIAL	When a serial number is scanned, user must press test. Serial number will be saved to the results.	Once serial number is scanned, previously loaded test file will automatically run. Serial number will be saved to the results.
Prod CHEK/SER	User will first scan product number followed by serial number. If the product number is associated with a test file, this file will be loaded. If no association exists between the product number and a test file, the unit will run previously loaded test file. The User must press test to run test. Product & serial numbers will be saved to results.	User must scan product number associated with test file or test will be aborted. User will then scan the serial number. To run a test the user will re-scan the product number. Product number and serial number will be saved to results.
Prod/SER 1/SER 2	User will scan product number followed by serial number 1, followed by serial number 2. If product number is associated with a test file, this file will be loaded. If no association exists between	User must scan product number associated with a test file or the audible beep will occur. User will then scan SER 1 then SER 2. The test will automatically begin after SER 2 is

	the product number and a test file, the unit will run the previously loaded test file. User must press test to run test. Product number, SER1 and SER2 will be saved to results.	scanned. Product number, SER 1 and SER 2 will be saved to results.
PROD/SER	User will scan product number followed by serial number. If the product number is associated with a test file, this file will be loaded, if no association exists, the unit will run previously loaded test file. User must press test to run test. Product number and SN will be saved to results.	User must scan the product number associated with a test file or audible beep will occur. User will then scan the serial number and the test will automatically begin. Product and serial number will be saved to the results.
PROD one/SER	User will scan the product number once and if it is associated with a test file it will load the file permanently allowing you to just scan serial numbers. If a new product number is scanned the unit will load the test file associated with the new product number. It will wait for a serial number scan to be ready to run the test. User must press test to run test. Product number and SN will be saved to results.	User will first scan product number associated with test file to load the test file. This test file will be loaded permanently allowing you to just scan serial numbers. The test will begin immediately after a serial number is scanned. If a new product number is scanned the unit will load the new file. Product and serial number will be saved to results.
PRODUCT	User must scan the product number and the test file associated with the product number will be loaded. The unit will make an audible beep if the product number is not associated with a test file. The user must press test to start test. Product number will be saved to results.	User will scan the product number associated with a test file. The test will run immediately after scan. Product number will be saved to results.

Examples of results data for each mode

SERIAL:

00000001,08/03/23,10:47,file1 ,7850,9763310,M0003,S0001,ACW,PASS, 0.50kV, 0.000mA, 0.000mA, 1.0s,0,987654321,0

PROD CHEK/SER:

00000002,08/03/23,10:48,file1 ,7850,9763310,M0003,S0001,ACW,PASS, 0.50kV, 0.000mA, 0.000mA, 1.0s,product1,987654321,0

PROD/SER1/SER2:

00000003,08/03/23,10:48,file1 ,7850,9763310,M0003,S0001,ACW,PASS, 0.50kV, 0.000mA, 0.000mA, 1.0s,product1,123456789,987654321

PROD/SER:

00000004,08/03/23,10:54,file1 ,7850,9763310,M0003,S0001,ACW,PASS, 0.50kV, 0.000mA, 0.000mA, 1.0s,product1,987654321,0

PROD one/SER:

00000005,08/03/23,10:54,file1 ,7850,9763310,M0003,S0001,ACW,PASS, 0.50kV, 0.000mA, 0.000mA, 1.0s,product1,987654321,0

PRODUCT:

00000006,08/03/23,10:54,file1 ,7850,9763310,M0003,S0001,ACW,PASS, 0.50kV, 0.000mA, 0.000mA, 1.0s,product1,0,0

Associated Research
28105 N. Keith Drive - Lake Forest, IL 60045 USA
T. 1-847-367-4077 F. 1-847-367-4080
info@arisafety.com www.arisafety.com