



GM-Z (ORTEC)

by



www.accureader.com
info@accureader.com

Thank you for purchasing the AccuReader wafer reading system by LockTech. This system will allow you to read the new 4-depth "O" series or (ortec) GM locks. Following a few simple steps it takes only minutes to read the depths for each cut in each position of a given lock. (ignitions excluded)

The AccuReader works on the process of elimination to decipher the correct depths of the lock. By checking the deepest cut first you eliminate what the cuts are not. Therefore it is essential to always read depth slide #4 first.

To determine whether a lock is a 4 depth Ortec lock, insert the AccuReader fully into the lock. The row of holes should only have 1 hole outside of the lock. If there are no holes showing outside the lock, it is not a ortec lock and will require the regular GM-Z AccuReader to decode.

ALWAYS start by thoroughly flushing the lock and run a key blank in and out several times to exercise the wafers.

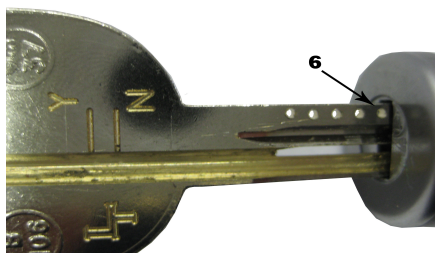
Let me say that again,

ALWAYS start by thoroughly flushing the lock and run a key blank in and out several times to exercise the wafers.

SPACING

The GM-Z AccuReader has a set of 10 holes drilled into it.

To determine the space currently being read, once the AccuReader has been inserted into the lock, count back from 10 the number of holes that are showing outside the lock. (see diagram)



ORTEC LOCKS

Use the insertion tool to move the AccuReader key to the space to be read.

Use slight pressure pushing inward on the key to keep it flush up against the wafer being read.

Using the GM-Z(ortec) #4 depth slide, fully insert it into the AccuReader key. The alignment mark on the depth slide will line up with the (Y) **Yes** mark or it will line up with the (N) **No** mark.

If the GM-Z (ortec) #4 depth slide lines up with the Y then the depth for that position is a 4. (Note it as a 4 for that space.) If the depth slide lines up with a N, then you must proceed to the #3/2 depth slide. (**Only proceed to the #3/2 slide if the #4 slide read a No**)

If the GM-Z #3/2 depth slide lines up with the Y then the depth for that position is a 3 or a 2. (Note it as a 2 for that space.) If the depth slide lines up with a N, then the depth for that position is a 1.

It is suggested to use a code program that has "Fill" with a "1-up" option, such as InstaCode. Enter the 8 spaces that were read for a given lock as either 4's, 2's, or 1's accordingly.

For example; the following depths are read

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| | | 2 | 1 | 1 | 2 | 4 | 2 | 2 | 2 |

Now enter the spaces to search & spaces to "1-up.
"1-Up" all depths recorded as 2's

Omit spaces 1 & 2 from the search.

| | | | | | | | | | | |
|--------|---|---|---|---|---|---|---|---|---|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Depths | | | 2 | 1 | 1 | 2 | 4 | 2 | 2 | 2 |
| search | X | X | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 1up | | | ✓ | | | ✓ | | ✓ | ✓ | ✓ |

The results give you a list of the following codes;
O5002
O6631
O6755

The codes listed above are a typical number of results, some combinations will result in a few more codes and some will result in fewer codes.

If your code program does not have the "1-up" option, it is recommended to cut the 3/2 depths to a 2-1/2 and impression to get the final depths.

Please take the time to familiarize yourself with the tools and verify all pieces are accounted for from the list of contents below.

Package Contents:

- 1-AccuReader key
- 1-insertion slide
- 1-depth slide #4
- 1-depth slide #3/2
- 1-Tube storage container
- 1-Tube Cap

TIPS& SUGGESTIONS

Always clean the keyway thoroughly before starting.

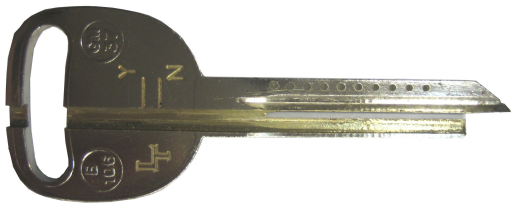
While keeping the AccuReader straight in the lock with one hand, use your other hand to insert the depth slide with a very slight upward pressure on the slide itself. This will ensure the tip of the slide is traveling along the bottom of the track as intended.

Most ortec door locks have spacing 3-10.

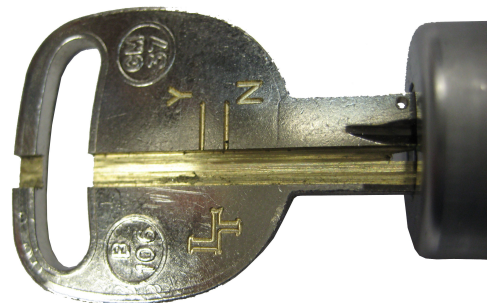
Always start with the deepest possible depth slide and always stop and move to the next position as soon as a "YES" reading is taken. You only progress to shallower depth slides (in order) when a "NO" reading is taken.

Watch the demonstration videos online at: www.accureader.com

| MAKE | MODEL | YEAR |
|-----------|-------------|-----------|
| Cadillac | DTS | 2006-2010 |
| Chevrolet | Monte Carlo | 2006-2007 |
| Pontiac | Grand Prix | 2004-2008 |
| Saab | 97-X | 2006-2008 |



GM-Z ORTEC ACCUREADER



Fully Inserted AccuReader