

# Synergy Series Digital Weight Indicators

A Comparative Matrix of the 380, 380X, 381, 680 Plus, 680HE and 682 Plus



| Indicator          | 380                     |                         | 380X                          |                                       | 381                                    |                                                         | 680HE             | 680 Plus          | 682 Plus                                                                              |
|--------------------|-------------------------|-------------------------|-------------------------------|---------------------------------------|----------------------------------------|---------------------------------------------------------|-------------------|-------------------|---------------------------------------------------------------------------------------|
| IP Rating          | IP66                    |                         | IP69K                         |                                       | IP54 (381-2D-AA)<br>IP66 (381-2D-NiMH) |                                                         | IP66              | IP69K             | IP69K                                                                                 |
| Display Window     | 5.43 in × 1.46 in       |                         | 5.43 in × 1.46 in             |                                       | 5.43 in × 1.46 in                      |                                                         | 9.25 in × 3.00 in | 4.75 in × 0.94 in | 4.25 in × 2.55 in                                                                     |
| Character Height   | 1.0 in                  |                         | 1.0 in                        |                                       | 1.0 in                                 |                                                         | 2.5 in            | 0.8 in            | 0.5 in                                                                                |
| Display Type       | LCD                     |                         | LCD                           |                                       | LCD                                    |                                                         | LED, Red/Green    | LED               | Color LCD                                                                             |
| Serial Streaming   | Four Selectable         |                         | Four Selectable               |                                       | Four Selectable                        |                                                         | Customizable      | Customizable      | Customizable                                                                          |
| Serial Scale Input | Not Available           |                         | Not Available                 |                                       | Not Available                          |                                                         | Local/Remote      | Local/Remote      | Local/Remote                                                                          |
| Time and Date      | Option                  |                         | Option                        |                                       | Option                                 |                                                         | •                 | •                 | •                                                                                     |
| Battery            | Four Alkaline<br>C-Cell | Adapter:<br>115/230 VAC | Lithium ion<br>(Rechargeable) | Charge using<br>120 VAC<br>(internal) | 381-2D-AA<br>Adapter: 115/230<br>VAC   | 381-2D-NiMH<br>Charge only:<br>115/230VAC<br>(included) |                   |                   |                                                                                       |
| Accumulated Weight |                         |                         |                               |                                       |                                        |                                                         | •                 | •                 | •                                                                                     |
| Numeric Keyboard   |                         |                         |                               |                                       |                                        |                                                         | •                 | •                 | •                                                                                     |
| Analog Output      |                         |                         |                               |                                       |                                        |                                                         | Option            | Option            | Option                                                                                |
| Onboard I/O        |                         |                         |                               |                                       |                                        |                                                         | 4 I/O             | 4 I/O             | 4 I/O                                                                                 |
| Internal Setpoints |                         |                         |                               |                                       |                                        |                                                         | 8                 | 20                | 20                                                                                    |
| Softkeys           |                         |                         |                               |                                       |                                        |                                                         |                   |                   | •                                                                                     |
| Truck Storage      |                         |                         |                               |                                       |                                        |                                                         |                   |                   | •                                                                                     |
| USB                | •                       |                         | •                             |                                       | •                                      |                                                         | •                 | •                 | •                                                                                     |
| Ethernet TCP/IP    | Not Available           |                         | Not Available                 |                                       | Not Available                          |                                                         | •                 | •                 | •                                                                                     |
| Web Server         |                         |                         |                               |                                       |                                        |                                                         |                   |                   | •                                                                                     |
| Wi-Fi              |                         |                         |                               |                                       |                                        |                                                         |                   |                   | •                                                                                     |
| Bluetooth®         |                         |                         |                               |                                       |                                        |                                                         |                   |                   | •                                                                                     |
| Protocol           |                         |                         |                               |                                       |                                        |                                                         |                   |                   | PROFINET<br>PROFIBUS<br>EtherNet/IP<br>DeviceNet<br>EtherCAT<br>CANopen<br>Modbus TCP |

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