tive, it is contemplated that connection elements **30** and **66** can each define sensor elements that interact with one another when bG meter **20** is positioned in internal receptacle **64**. In this embodiment, the interaction between connection elements **30** and **66** can activate an alternative communication interface between bG meter **20** and docking device **50**. For example, bG meter **20** and docking device **50** can each include wireless transceivers that are activated upon interaction of the sensors. The wireless transceivers interact with each other to define the communication interface between bG meter **20** and docking device **50**. In one form, the sensors are defined by external contacts that engage with each other when bG meter **20** is positioned in internal receptacle **64**.

[0079] Referring generally to FIGS. **5** and **6**, system **10** is illustrated with bG meter **20** positioned in internal receptacle **64** of docking device **50**. In the illustrated embodiment, housing **22** of bG meter **20** is substantially surrounded by housing **51**. In another non-illustrated embodiment, housing **22** of bG meter **20** is completely surrounded by housing **51**. Additionally, docking device **50** substantially retains its external profile and size when bG meter **20** is positioned in internal receptacle **64**. More particularly, bG meter **20** is positioned substantially within the external profile of docking device **50**. To that end, the external profile, size and shape of docking device **50** are generally not affected by the positioning of bG meter **20** in internal receptacle **64**. As further illustrated in FIG. **6**, surface **56** of docking device **50** includes an opening **57** extending therethrough into communication with internal receptacle **64** adjacent to receiving portion **62**. Opening **57** exposes a portion of bG meter **20** to assist a user in its positioning into and removal from internal receptacle **64**. In the illustrated embodiment, meter housing **22** includes a plurality of ridges **46** positioned along a surface of housing **22** that faces opening **57** adjacent to test element port **28**. Ridges **46** are generally structured to enhance a user's grip on bG meter **20** when it is being positioned relative to docking device **50**. When bG meter **20** is positioned in internal receptacle **64** the ridges **46** are generally positioned adjacent to and accessible through opening **57**. In other non-illustrated embodiments, it is contemplated that ridges **46** can be replaced by one or more other grip enhancing features, including for example, knurling, teeth, indentations, serrations or handles, just to name a few possibilities.

[0080] Still, in other embodiments it is contemplated that ridges **46** are absent from housing **22** of bG meter **20**. In these embodiments, a user can grip housing **22** adjacent to test element port **28** when positioning bG meter **20** in internal receptacle **64**. Docking device **50** may include another arrangement for facilitating removal of bG meter **20** from internal receptacle **64**. In one non-illustrated example, docking device **50** includes an ejection mechanism engageable with bG meter **20** to facilitate its removal from internal receptacle **64**. For example, the ejection mechanism can include a lever arm linked to a depressible ejection button positioned on housing **51** of docking device **50**. In this arrangement, depression of the ejection button by a user actuates the lever arm which in turns applies a removal force on bG meter **20**. In other non-illustrated embodiments, it is contemplated that docking device **50** includes one or more elements for securing bG meter **20** in internal receptacle **64**. Examples of elements for securing bG meter **20** in internal receptacle **64** include latches, straps, clasps and clamps, each of which can be positioned on housing **51** adjacent to receiving portion **62**. As a further example, a ball-detent mechanism can be utilized for securing bG meter **20** in internal receptacle **64**.

[0081] FIG. **7** provides one embodiment of a schematic of docking device **50**. Docking device **50** includes a controller **74**, memory **76** associated with controller **74**, a programmable processor **78** associated with controller **74** and connected with memory **76**, and a real-time clock **80** associated with controller **74** and connected with processor **78**. Display **70** is connected with processor **78** with, for example, a display driver, and operable to provide a user readable display of output from processor **78**. User entry means **68** is connected with processor **78** and accessible by the user to provide input to processor **78**. Processor **78** is further programmable to receive input commands from user entry means **68** and provide an output that responds to the input commands.

[0082] Processor **78** is connected with connection element **66** and operable to process and record data in memory **76** relating to information stored on memory **40** of bG meter **20**. Processor **78** is also operable to produce a representation of the information stored in memory **40** of bG meter **20** on display **70**. In an exemplary form, the information stored in memory **40** of bG meter **20** is bG measurement data, although other types of information are contemplated. In one embodiment, one or both of processor **78** of docking device **50** and processor **42** of bG meter **20** is operable to permit an exchange of information between docking device **50** and bG meter **20** in response to bG meter **20** being positioned in internal receptacle **64**. In alternative embodiments, the information exchange is generally seamless; that is, it occurs generally automatically without user interaction with entry means **68** or after a single user interaction with entry means **68**. It should be appreciated that processor **42** of bG meter **20** is operable to process and record data in memory **40** relating to information which is provided from docking device **50**. In one exemplary form, the information provided from docking device **50** is related to the calendar stored in memory **40** of bG meter **20**, although other types of information are contemplated. Processor **78** is also operable to interface with one or more of controller **38** and processor **42** of bG meter **20** to facilitate use of bG meter **20** when it is positioned in internal receptacle **64**. For example, input commands can be entered with user entry means **68** and passed to processor **42** of bG meter **20**. Processor **78** is also operable to produce representations on display **70** of docking device **50** that correspond to representations that are produced on display **24** of bG meter **20**. In this regard, bG meter **20** remains fully functional when it is positioned in internal receptacle **64**. Accordingly, bG meter **20** can be used to measure bG levels either alone or in combination with docking device **50**.

[0083] While not previously discussed, docking device **50** may also include a connection element **72** which, in one embodiment, is positioned on end **60** of housing **51** opposite of receiving portion **62**. Connection element **72** may be, for example, a mini-USB port or plug, although other variations in the form of connection element **72** are contemplated. Processor **78** is also connected with connection element **72** and operable to control the transfer of information to and from docking device **50** via connection element **72**. In one form, connection element **72** may be engaged with a corresponding connection element on a secondary device, such as a PC, to facilitate communication between the secondary device and docking device **50**. In this arrangement, it is contemplated that the secondary device could also communicate with bG meter **20** when it is positioned in internal receptacle **64**.