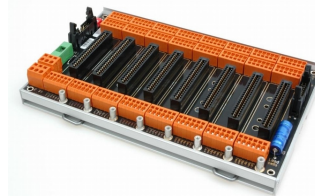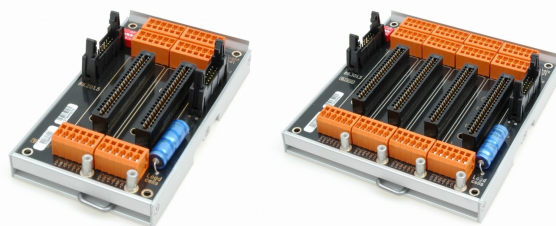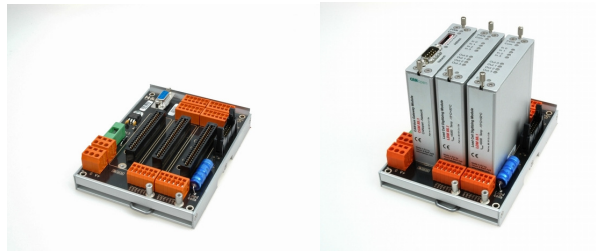Linking load cells
with the real world
H&B

MB 89.1, MB 89.2, MB 89.3 & MB 89.4

Mother board & Extension board for 2, 4 and 8 channels - System 80®

Mother Board basic (MB 89.1) for the Gateway and two LDM's. This board provide System 80 with the possibility to have one gateway module (CAN-bus (CGM 85.1), Profit-Bus (PGM 86.1) or Ethernet (EGM 87.1)), as well as two weighing process controllers (LDM's).
It is possible to connect further extension boards (MB89.2, MB89.3 or MB 89.4) and up to 64 LDM's, which makes the System 80 scalable and cost efficient.

- Spring terminal for ease of wire mounting

- DB9 connection for service purposes

- Fuse protection on power input

- Ready for DIN rail mounting

- Available with alu backcover for stability - ready for DIN rail mounting

- Can be mounted with one gateway module (CGM 85.1 for CAN-bus, EGM 87.1 for Ethernet or PGM 86.1 for Profi-bus)

- Room for up to two weighing process controllers (LDM 88.1) on motherboard

- Bus connector for extension boards

- Easy adress setup by dip-switch

- Extensions boards for
  - 2 channels / LDM 88.1 (MB 89.2)
  - 4 channels / LDM 88.1 (MB 89.3)
  - 8 channels / LDM 88.1 (MB 89.3)

MB 89.x Qualities

The service connection provides an easy way for firmware update via full duplex RS422 /485 interface. You can connect H&B DOP utility to System 80 via the service connector to get controlling access of each of the LDM's.
By connecting the motherboard and the extension boards you get an easy and very cost efficient scalability for the weighing process system.

Data for motherboard - MB 89.1:

Dimension: 138x104mm (PCB size)
Dimension: 143x108mm (alu backcover)
Fuse: 1A (flink) on 12V power supply input.

Data for extension boards
Dimension MB 89.2:   138x79mm (PCB size)
Dimension MB 89.3:   138x129mm. (PCB size)
Dimension MB 89.4:   138x229mm. (PCB size) (Fuse: 1A (flink) on 12V power supply input)