**Product Information**

**LB 112 Micro Gamma**

**Dual Channel Data Logger**

**Application**

- Stationary dose rate meter for gamma or neutron counters
- Radioactive gas monitor
- Process monitoring for PET installations

**Functions**

- Single or dual probe operation
- Low dose / high dose rate system
- Radioactive gas monitor
- 2 serial interfaces RS 232/RS 485/ or Ethernet/USB
- Memory for 4000 data points
- Ratemeter or scaler timer mode
- Network capable with F²C protocol
- Electrically separated in- and outputs
- Vacuum-Fluorescence display

BERTHOLD TECHNOLOGIES reserves the right to implement technical improvements and/or design changes without prior notice.
Technical Data

Low power consumption microprocessor unit, 256 kB EEPROM memory, real time clock, two probe connectors with +/- 5V, +/- 15V supply for the detectors, normpuls input and control voltage for high voltage supply.

Electrically separated in- and outputs:
3 digital inputs, 2 current outputs, 2 serial interfaces as RS 232 or RS 485, Ethernet.
5 relays (double pole with change-over contacts); slave USB interface

Power supply:
85 to 264 VAC wide range power supply input or 9 to 36 VDC input depending on supply module, power consumption about 12 W.

temperature range: -5°C to 50°C, relative humidity: 10 to 80%, non condensing protection degree: IP 65, dimensions: 200x200x80mm³, weight: 2.6 kg, stainless steel housing.

Dose rate probes H*(10):

- LB 6500-4-H10, GM-probe: 0.1 µSv/h to 10 mSv/h 65 keV to 1.3 MeV
- LB 6500-3-H10, GM-probe: 1 µSv/h to 1 Sv/h 50 keV to 1.3 MeV
- LB 6360-H10, Proportional counter: 30 nSv/h to 20 mSv/h 35 keV to 1.3 MeV
- LB 6701L-H10, Ionisation chamber: 10 µSv/h to 10 Sv/h 45 keV to 1.3 MeV
- LB 6701M-H10, Ionisation chamber: 100 µSv/h to 100 Sv/h 45 keV to 1.3 MeV
- LB 6701H-H10, Ionisation chamber: 1 mSv/h to 1000 Sv/h 45 keV to 1.3 MeV
- LB 6411 for neutrons: 30 nSv/h to 100 mSv/h 10 meV to 20 MeV