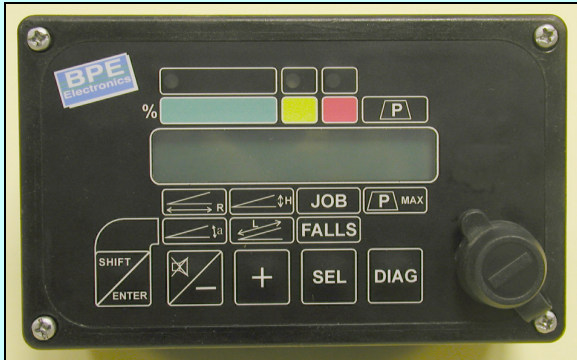


# Integrated system MD83

## MD Series



### Description

- Integrated system with LCD visualizer to control:
  - moment or load with extensimetric or pressure (angle) transducers
  - basket load with amplified or differential transducers
  - working area with angle/length transducers
- Following parameters visualization:
  - present and maximum load
  - one or two channels' load percentage
  - radius, height alarm percentage, selected working curve
  - system diagnostic
- Operation by 12/24 Vdc power supply
- Calibration via push button or RS-232 serial port
- Auto-reset
- Input for zero check
- More alarm levels available

- Outputs for alarm and pre-alarm signalling
- Automatic survey of:
  - short circuits on power outputs
  - opened or shorted circuit transducers

### On request

- 85/264 Vac power supply
- Working parameters recording (Data Logger)
- Key switch
- Special functions
- Buzzer for alarm e pre-alarm signalling
- Cat. 3 (EN 954-1)

### Safety

Category 2 (EN 954-1) subordinated to: manual or automatic zero check, function of the application  
 Category 3 (EN 954-1) subordinated to: transducers doubling

### data

|                               |   |  |
|-------------------------------|---|--|
| Power supply                  | 9 to 33 Vdc   | On request 85/264 Vac with external converter  |
| Digital inputs                | 13 + 1  | One is a frequency input (2 kHz max)   |
| Analog inputs                 | six 4 to 20 mA or 0.5 to 4.5 Vdc types or two 4 to 20 mA or 0.5 to 4.5 Vdc types and two differential | Protected against short circuits and operator error  |
| Digital outputs               | four transistor positive <sup>(1)</sup> or four with free/safe relay output                           | Imax = 3 A if single activated <sup>(2)</sup><br>Imax = 2 A @ 50 °C (1.5 A @ 70 °C) <sup>(3)</sup><br>Protected against short circuit and overloading. |
| Supplementary digital outputs | one positive with a transistor  | Imax = 1 A if single activated <sup>(2)</sup><br>Protected against short circuit and overloading.  |
| Digital power outputs         | one with double relay and free/safe contact   | Imax = 2 A @ 50 °C (1.5 A @ 70 °C) <sup>(3)</sup><br>Protected against short circuit.<br>Category 2 (3 optional) (EN 954-1).                           |
| Connections                   | RS-232 serial port  | CAN bus connection on request  |
| Operating temperature         | -20 to 70 °C  | -  |
| Standard protection grade     | IP 65   | In BPE box, dimensions: 152x92x100   |

<sup>(1)</sup> Alternate power supply version should only have relay outputs (Vmax = 48 Vac)

<sup>(2)</sup> In case of transistor outputs, the total sum of output currents has not to overpass the total value of 4 A, supplementary output included

<sup>(3)</sup> Imax = 3 A with fast external burn fuse

### Dimensions [mm]

