

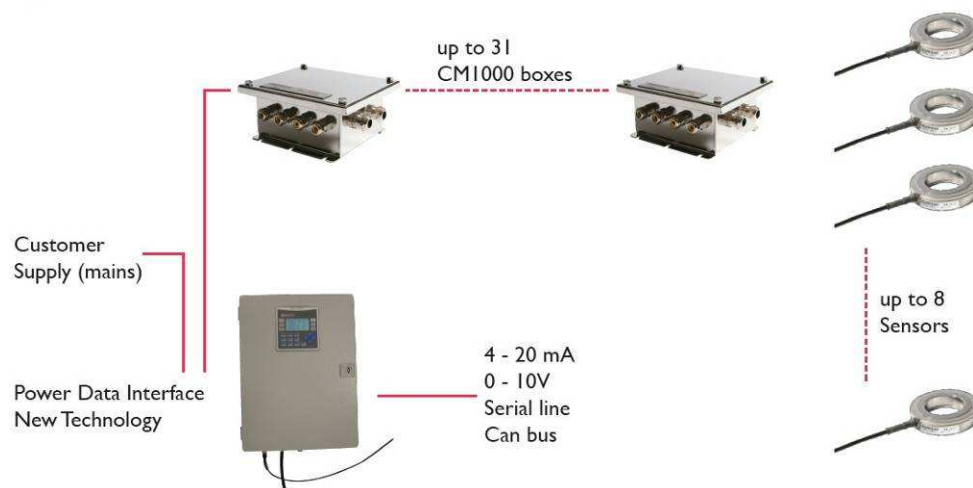
PDI-NT (Power Data Interface New Technology)

The PDI-NT is a connection box for interfacing the BoltSafe network to be monitored on a PC / pocket PC with BS-2000 / BS-1000 software installed. PDI-NT provides in smart coupling of the measured bolt load from the BoltSafe sensors with other measured values. With the PDI-NT is it also possible to connect the BoltSafe sensors to other platforms.



PDI-NT in combination with BoltSafe sensors

The bolt load that is measured with the BoltSafe sensors is coupled with the CM-1000 Network boxes to the PDI-NT. The CM-1000 boxes can also be integrated in the PDI-NT box.



Output

PDI-NT provides various output signals:

- 4 - 20 mA
- 0 – 10 V
- Serial line
- Can bus
- Ethernet
- Wireless network

Extension modules

The number of BoltSafe sensors for one PDI-NT can be enlarged. The extension modules are available for a multiple amount of standard BoltSafe sensors.

It is possible to keep using the CM-1000 network box. As an example, by the high protection degree (IP 67) is this an ideal solution for the offshore.

Convert of the current PDI to the PDI-NT is possible.

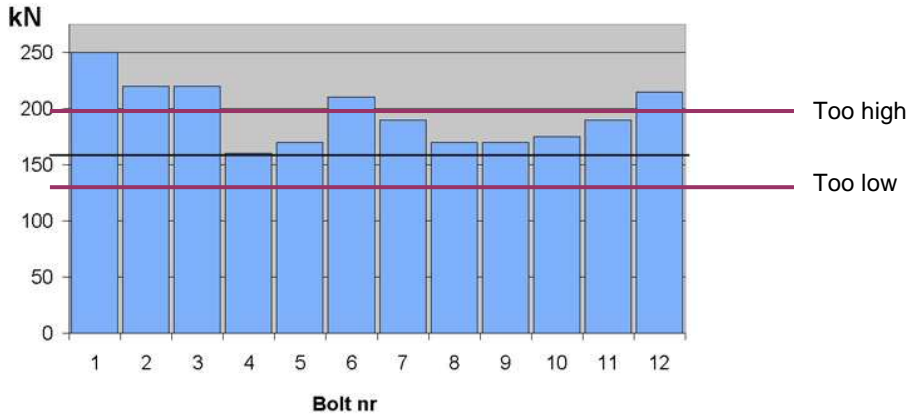
By use of the PDI-NT a lot of applications are conceivable, such as:

- Coupling of measured signals
- Power guarding
- Interlocks by use of BoltSafe sensors
- Immediate read-out of PDI-NT box



The result and alarming

The graph below shows the measured results. Alarming too low or too high can be adjusted.



General information

Entry voltage	100V-230V AC / 24 V DC
Measure frequency	1 Hz
Display size	2.4 Inch
Maximum number of BoltSafe's	256
Number of digital entries	12
Number of digital exits	6 (relais)

Standard Design

Height	400 mm
Width	300 mm
Depth	130 mm
CM1000 integrated	Yes
Standard number of BoltSafe's	8
Read-out	Display

Analogue exits

Height	400 mm
Width	300 mm
Depth	130 mm
CM1000 integrated	Yes
Standard number of BoltSafe's	6
Read-out	Display
Outputs	<ul style="list-style-type: none"> • 4-20 mA • 0-20 mA • 0-10 V

Extension modules

Serial communication	RS232 / RS485
Ethernet	Network possibilities
CAN bus	Coupling of signals
Wireless network	LAN
GPRS and SMS module	Alarm signal

For more information:

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