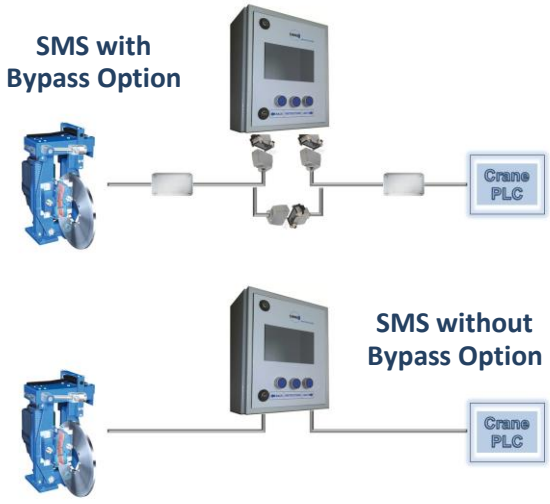
In order to increase the operational safety and the availability of your machine, SIBRE is offering optional packages of monitoring features for disc brakes. The Status Monitoring System SMS is using monitoring switches, contacts, temperature sensors and DMS-technology to permanently read the actual status of the brake. These signals are made available in the PLC, enabling accurate planning of preventive brake maintenance. Thus, maintenance costs can be reduced and operational safety and availability are increased.

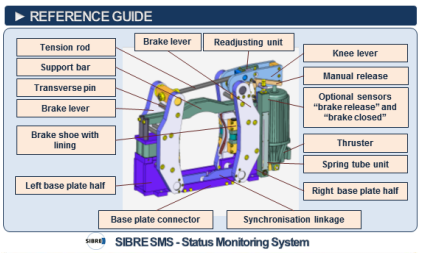
To accommodate the SMS to your specific needs, different versions are available:

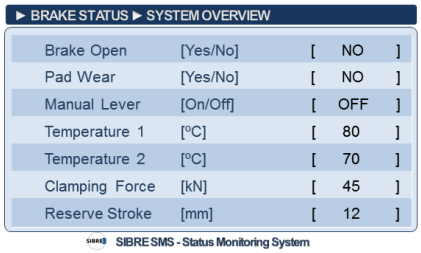
SMS 1.0	- using brake mounted sensors for indication of "brake open", brake closed", "pad wear limit", "EMR engaged" and "thrustor stroke" as well as temperature sensors PT100 - sensor signals are centralized in a brake-mounted terminal box, and can easily be connected with PLC
SMS 1.1	- as SMS 1.0, with additional load pin for reading the clamping force
BYPASS [OPTIONAL]	- Multipin connectors UL94 V0 - IP68 - 2xJunction boxes ABS 171x121x55 mm - 2x Mullticonductor cables: Input: (max length to SMS) 3m Output: (max length from SMS) 1m

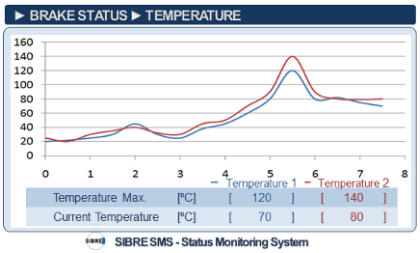


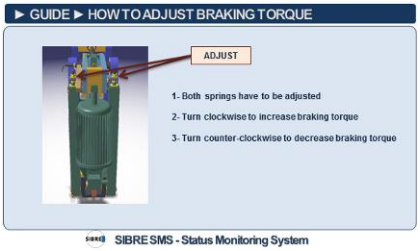
SPECIFICATIONS

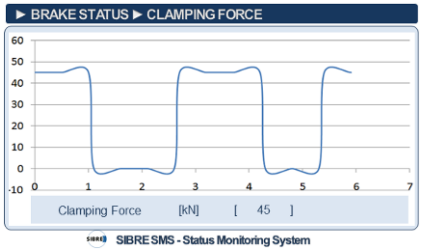
Wall Mounting Enclosure:	30x25x15cm Mild steel 1,5mm - IP66, NEMA 4, 12 y 13
Screen: TFT 7.0"	152x91mm 800x480 pixels, 262,144 Colours (18 bit), 40 Page Display RAM, 128M Byte Flash, 4G+, LED Backlight Control, 5V Supply 3.3V Logic, ASCII + UNICODE Fonts
SUITABLE FOR	USB, TEXU, SHI
Sensor Number: 16	- 8 digital sensors - 8 analogue sensors
Number of Pins:	SMS IN: 58 pin expandable up to 72 pin SMS OUT: 28 pin expandable up to 72 pin
Max. Current/ Voltage:	10A, 250V ca
Supply Voltage:	24V dc
Temperature Range:	0°C ... +70°C
Weight:	5,5 Kg.

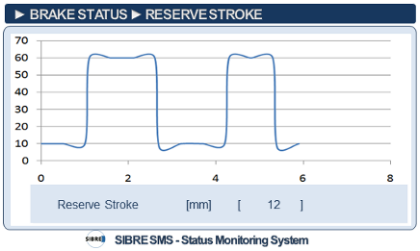












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