

The Henning overload measuring system is designed according to a new measuring principle:

On each rope a sensor is mounted, which no longer requires calibrating with the help of weights; the time-consuming use of weights has been dropped. Stock control will also be easier: One sensor type covers up to 11 different rope diameters.

A unique and amazing simple rope tension adjustment wizard is integrated into the software.

Within a few minutes a complete rope set can be adjusted in the best possible way. As a result of this permanent rope tension monitoring, undesired and unnecessary wear of the traction sheaves and ropes is reliably prevented.

- Yes, I am interested in your product**
Overload Control System WeightWatcher
- I am also interested in your product:
 - Mobile Rope Load measurement
 - measurement of ride quality according to ISO 18738 with LiftPC mobile Diagnosis
 - Overload Control System WeightWatcher light
- Please contact us

Company

Contact Name

Address

City / Zip-Code

Country

Phone / Fax

E-Mail

Overload Control System

no weights necessary for calibration
(patented system)

suitable for use with different rope diameters and types

increased lifetime of ropes because of equal rope tension

monitoring of rope tension and slack rope alarm

direct measurement of compensation chain / cable

Option: CANOpen



Summary of the advantages:

- Calibration with weights not necessary thanks to the patented measuring principle
- Suitable for different rope diameters and rope types
- 4 programmable alarm relays
- Up to 12 rope sensors per evaluation unit
- Integrated slack rope alarm
- Permanent monitoring of the load distribution
- Equipped with USB interface and free PC software
- Software wizard for the adjustment of the optimum single rope tension to avoid unnecessary wear
- direct measurement of compensation chain / cable

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The WeightWatcher measuring instrument can be installed completely within a few minutes:

On each rope a load sensor is mounted. After fitting the sensor to the rope it is held in place by a single Allen screw.



The flattened spring washer is an indication for the correct torque.



Up to 12 sensors are simply plugged into the evaluation unit AE 12. This immediately indicates the total weight and the individual rope loads without calibration with weights.



Using the display and the buttons of the instrument or with the free PC software the desired alarms are set.



Finished!
Now, the instrument indicates the alarms for up to 4 different load thresholds, slack rope states and individual rope load deviations.

Prevent unnecessary wear of ropes and traction sheaves!

The sophisticated PC software WeightWatcher can be downloaded free at <http://www.henning-gmbh.de>.

In this way the uniform rope adjustment becomes child's play: Within a few minutes an integrated rope adjustment wizard will take you through the individual rope adjustments as calculated by the software.

The rope adjustment wizard sets an adjustment value in advance for each rope.



As soon as the user has adjusted the rope to the indicated target value ...



... the display changes from red to green.



Even in the case of complicated suspension variants and many ropes the optimum rope adjustment becomes child's play, taking up very little of your time.

Evaluation unit AE12

Evaluation unit AE 12	Id.-No.: 455000
Power supply voltage	12 V – 28 V DC
Power consumption	4 W
Fuse	1 A
Sampling frequency	100 Hz
HOLD input	12 V - 230 V AC/DC
Number of relay outputs	4
Number of measuring channels	12

Analogue output option

Technical data, see standard type, in addition one analogue output
Id.-No.: 455002

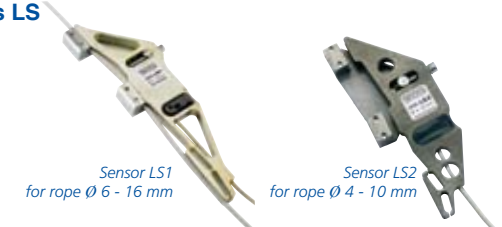
Galvanically isolated	✓
Output voltage (resistive load > 500 Ω)	2-10 V
Output vcurrent (resistive load < 500 Ω)	4-20 mA

CANopen Type

Technical data, see standard type, in addition one CAN interface
Id.-No.: 455005

Galvanically isolated	✓
Profile	CANopen acc. to CiA-417

Rope load sensors LS



Sensor	Id.-No. 455500	Id.-No. 455400
Rope diameter	6 – 16 mm	4 – 10 mm
Measuring range	0 – 500 kg	0 – 300 kg
Maximum load	1000 kg	600 kg
Breaking load	2000 kg	1200 kg
L x W x H (mm)	250 x 75 x 19	178 x 58 x 16
Connection cable length	2,5 m	2,5 m
Temperature range	0 °C - 70 °C	0 °C - 70 °C