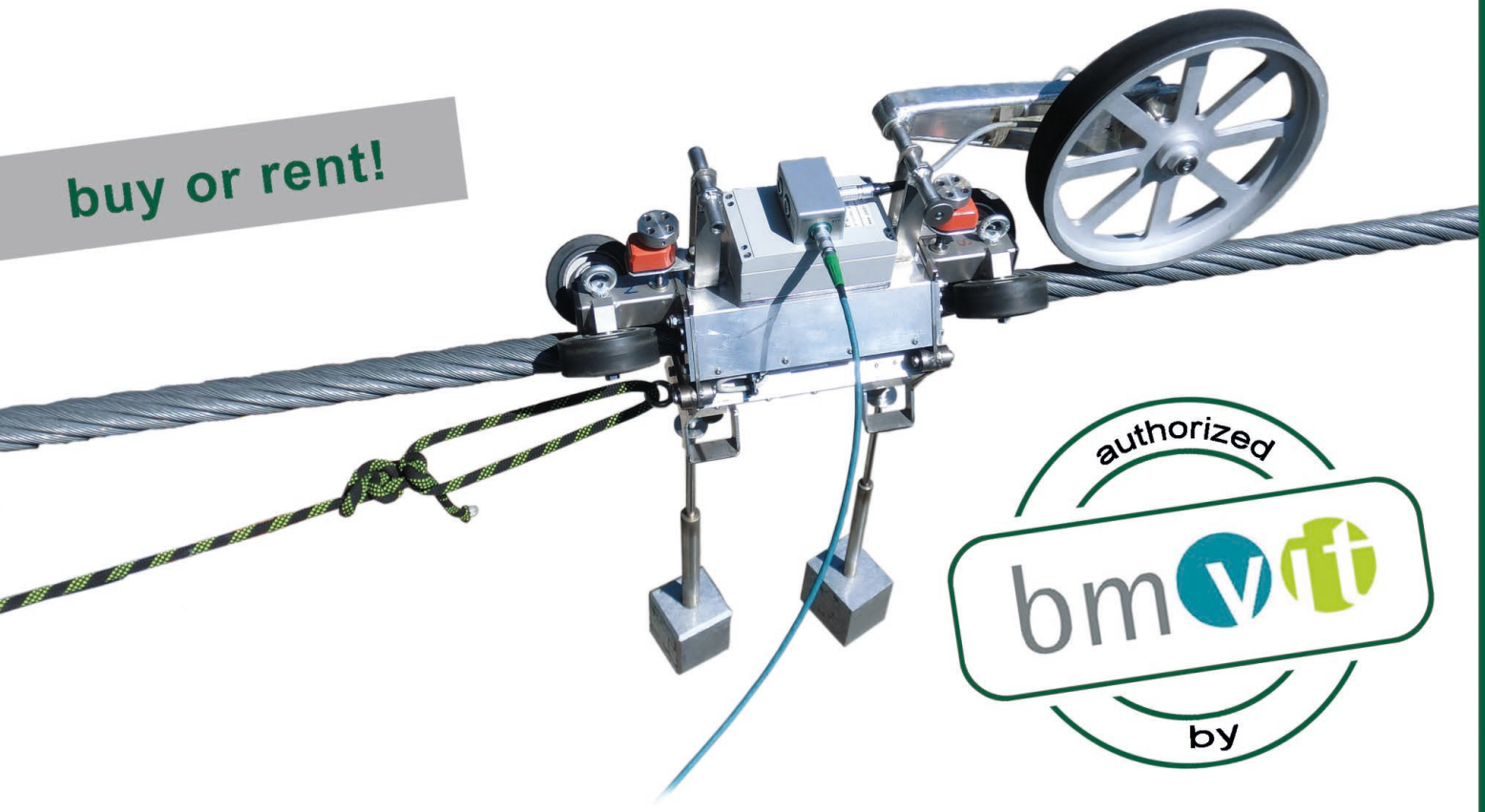
Miss Inspector

Magneto - **i**nductive **S**ensor **S**ystems

Non-destruktive wire rope tester for visual rope inspection

- huge saving in time
- checks total rope cross section
- independent of weather, surface or daylight

buy or rent!



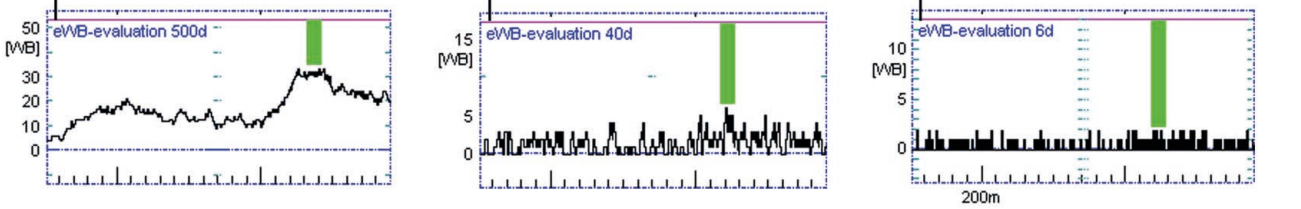
authorized by bmvit

Significant results

- one mouse click to get the reference evaluation independent of the number of wire breaks

range of additionally tolerable wire breaks up to critical limit

critical limit of tolerable number of wire breaks on a lenght of 500-fold, 30- or 40-fold and 6-fold of the rope diameter



- automatic generation of a test report suitable to meet requirements of DSB 80 / EN 2927-7 concerning the results of a visual inspection
- all rope tests and results are saved in a data base, the resulting rope history enables the user to make a prediction for the life expactancy of the rope

track number: 0815

test report

about the MRT test for assistance to the monthly visual inspection

system data:

name of installation:	8EUB Test Installation many WBs
responsible manager:	Greg Allen

rope data:

intended purpose:	carriage haul rope F/2
rope designation:	Zugseil ÖNORM M9534 - 50 E
braiding formula:	6(1_30+...+7_23_0)
date of installation:	01.05.2005

Results of the magnetic rope test (MRT):

measured rope length:	1339,0m
number of WB from the current test	535
number of WB from last test:	522

reference length		maxium no. of acceptable WB	number of found WB	number of found maxima	begin of first maxima [m]
6d	0,3m	13	3	7	100.701
40d	2m	17	6	4	318.014
500d	25m	53	33	3	299.928

Results of visual testing (VT):

actual diameter of the rope splice area: 49,5mm

remarks to visual tesing: splice area, seen defects, etc.	protocol just for test use

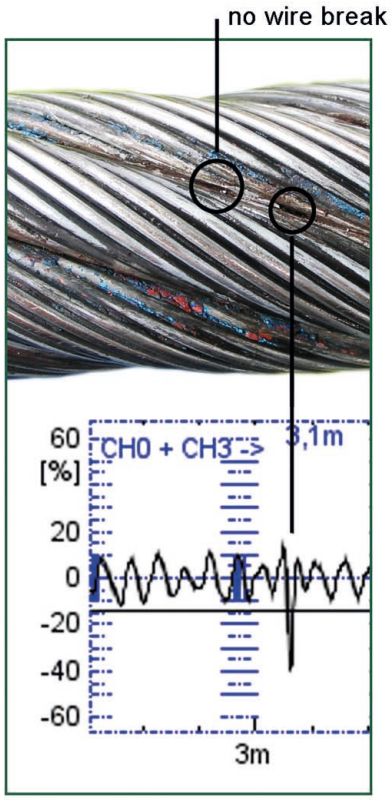
date: signature tester: signature manager:

Gerhard Hinterndorfer Greg Allen

Printed using MiSS Base, a MiSS-Inspector SW, (C) provided by Pedrics e.U. - www.pedrics.at

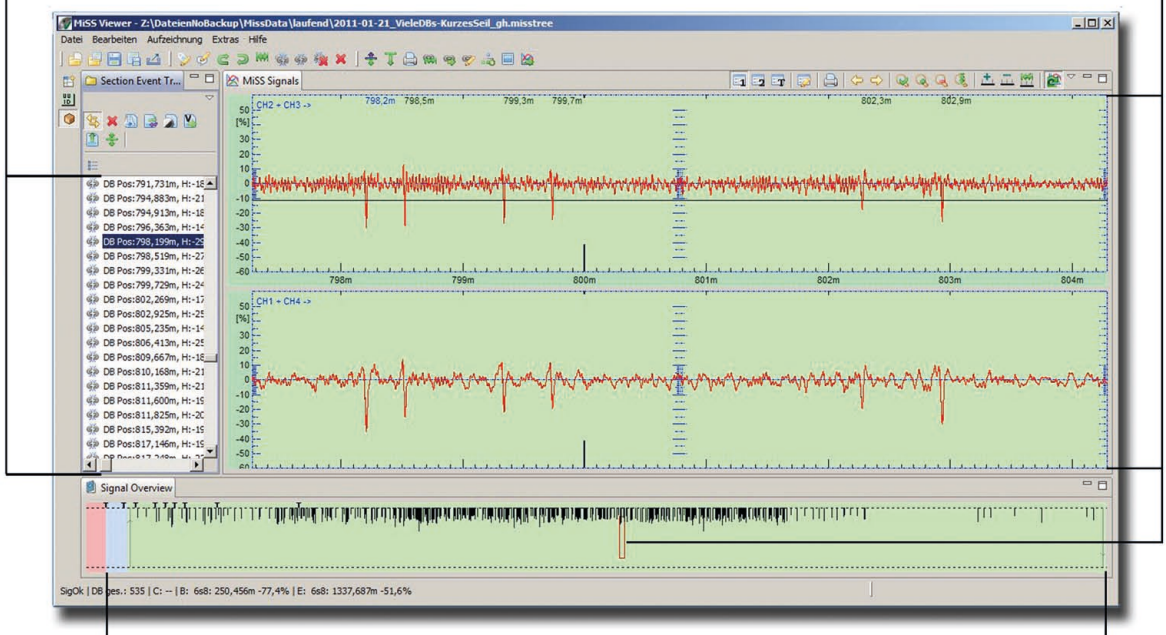
Comfortable and quick operation:

- very short time spans for mounting and dismounting the testing equipment
- huge benefit in time and quality
- testing speed of up to 5 m/sec
- checks the total cross section of the rope (approx. 90% of all wire breaks are inside)
- independent of weather, surface or daylight
- data transfer via cable (up to 100 m lenght) or even wireless via WLAN
- quick and easy handling of measurement data on the PC



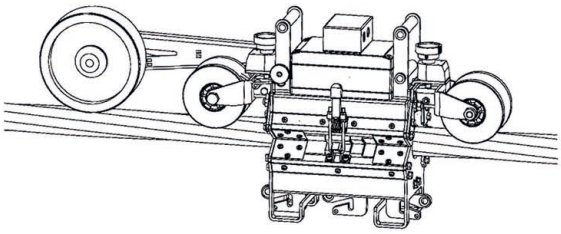
listing of all detected wire breaks with their exact position on the rope

current signal sector with automatically evaluated wire breaks and corresponding position in meters

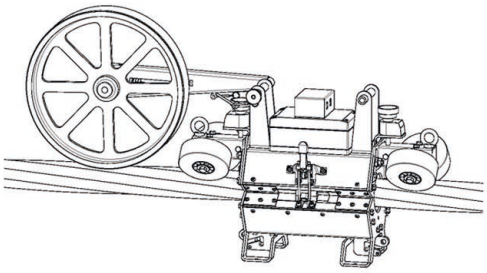


overview of the complete tested rope with distribution of wire breaks each dash one wire break

Products and funding



PM 74
for rope diameters from 10-41mm



PM 75
for rope diameters from 29-66mm

- any number of ropes can be tested without additional costs
- individually shaped lease contracts

Enterprise

- 20 years of personal experience in developing and constructing magneto-inductive measuring systems
- state of the art technology
  our measuring system meets the requirements of EN 12927-8

director
Gerhard Hinterndorfer

References

ropeway companies

KITZSTEINHORN ZELL AM SEE · KAPRUN
SkiWelt WILDER KAISER BRIXENTAL Scheffau
ISCHGL
planai & HOCHWURZEN

accredited test laboratories

TU WIEN TVFA
IKSS CITT CITS CITR
V.A.M. INNSBRUCK PRÜFZENTRUM FÜR WERKSTOFFE & MASCHINENBAU

industrial rope producers

Teufelberger Together in Motion
VORNBÄUMEN STAHLSEILE
GUSTAV WOLF

Pedrics e.U.
Dipl.Ing. Gerhard Hinterndorfer
Welingergasse 3/2/1
1230 Vienna
office@pedrics.at
www.pedrics.at

phone: +43 / 1 / 867 42 51
mobil: +43 / 664 / 464 13 14
fax: +43 / 1 / 2533 033 - 9992