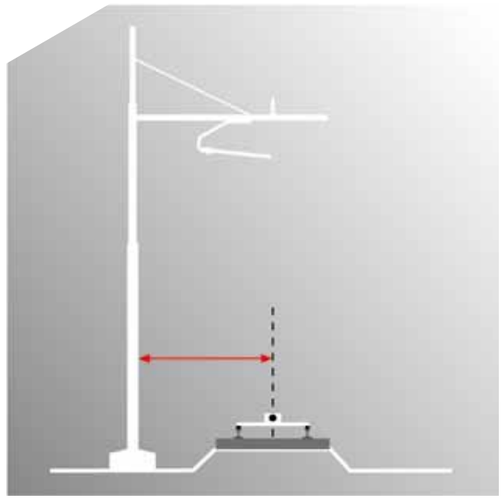
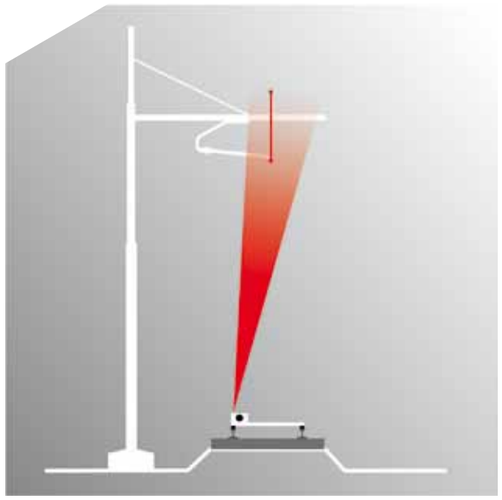
Optional measurements

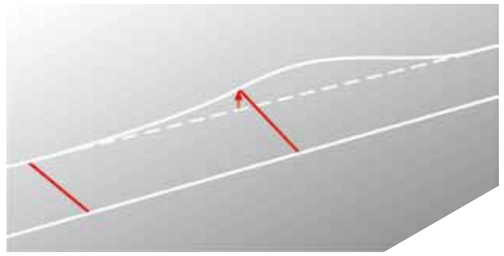
Pole distance



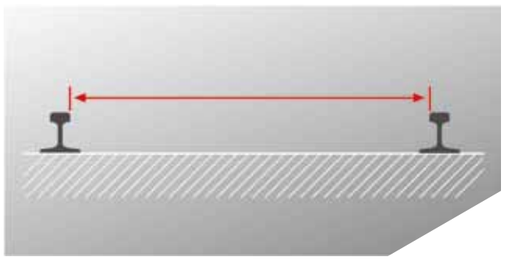
All catenary wires



Track twist / Cant gradient



Gauge



Features

Field of application:	Railway (height and stagger)
Light source:	Infrared (905 nm)
Laser class:	1 (IEC 60825-1 (2007-3))
Scanning frequency:	25 Hz / 50 Hz
Angular resolution:	0.25°
Operating range:	0.5 m ... 10 m

Mechanics/electronics

Housing color:	Aluminium
Included accessory:	Battery 8” Tablet PC Support bar(*)
Enclosure rating:	IP 67 (EN 60529, Section 14.2.7)
Protection class:	III (EN 50178 (1997;10))
Dimensions:	300 mm x 200 mm x 150 mm

Measured parameters

Range:

Height of OHL:	0.5 m ...10 m
Stagger of OHL:	from -40 to + 40 cm (referred to the middle of the rail)
Pole distance:	0.5 m ...10 m

Accuracy:

Height of OHL:	1 cm
Stagger of OHL:	1 cm
Pole distance:	1 cm
GPS position:	3 meters (when satellite is visible)

Ambient data

Electromagnetic compat. (EMC):	EN 61000-6-2:2005 EN 61000-6-4 (2007-01)
Vibration resistance:	EN 60068-2-6 (1995-04)
Shock resistance:	EN 60068-2-27 (1993-03)
Ambient operating temperature:	-30 °C ... 50 °C
Storage temperature:	-30 °C ... 70 °C
Ambient light safety:	40,000 lx

Selectravision

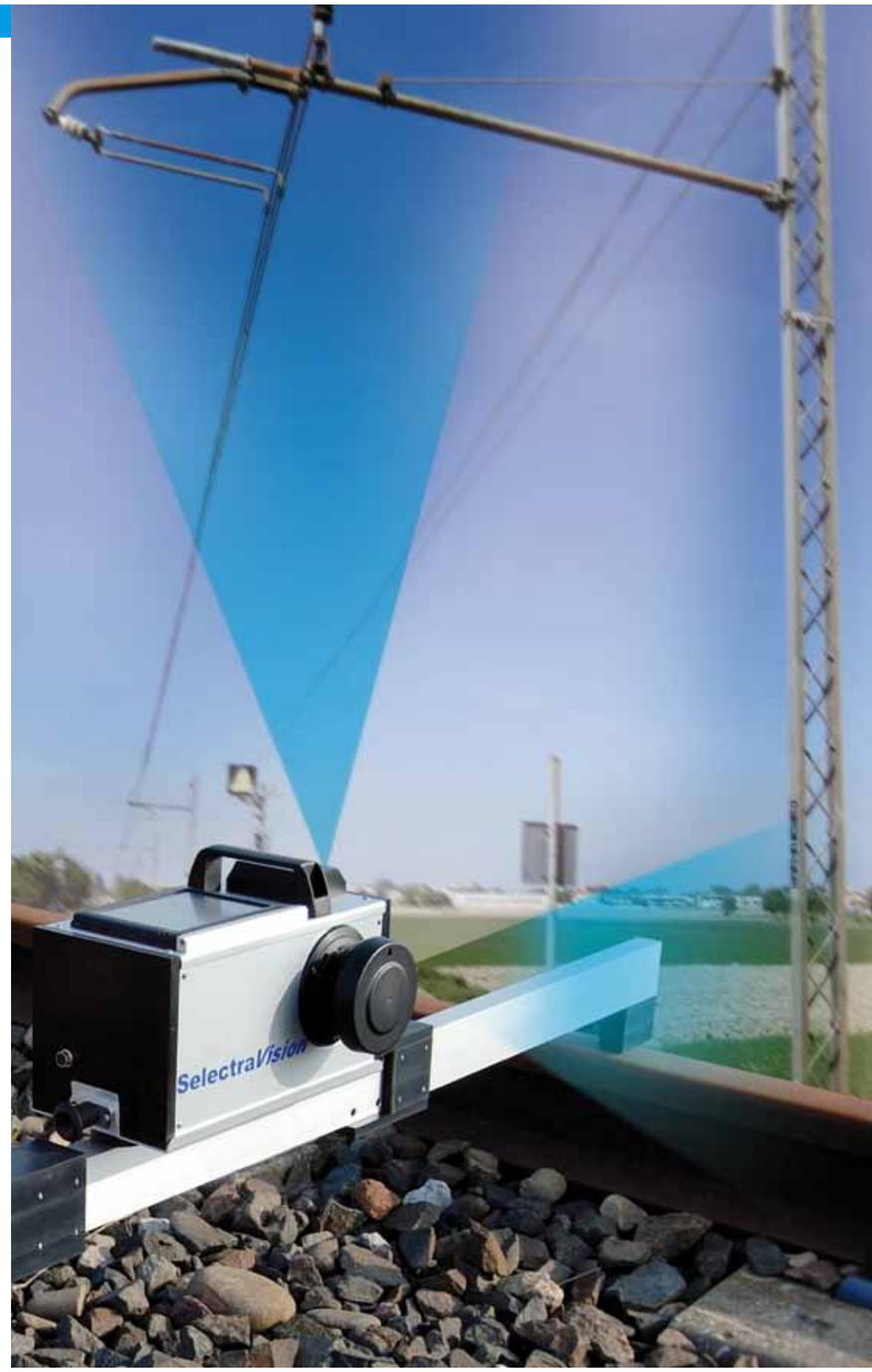
Via delle Nazioni, 3/5/7 - 44123 Ferrara - Italy - Tel. +39 0532 748000
www.selectravision.com - info@selectravision.com

CAT-P

measuring CATenary

Portable equipment for overhead line diagnostics and measurements

DATA SHEET



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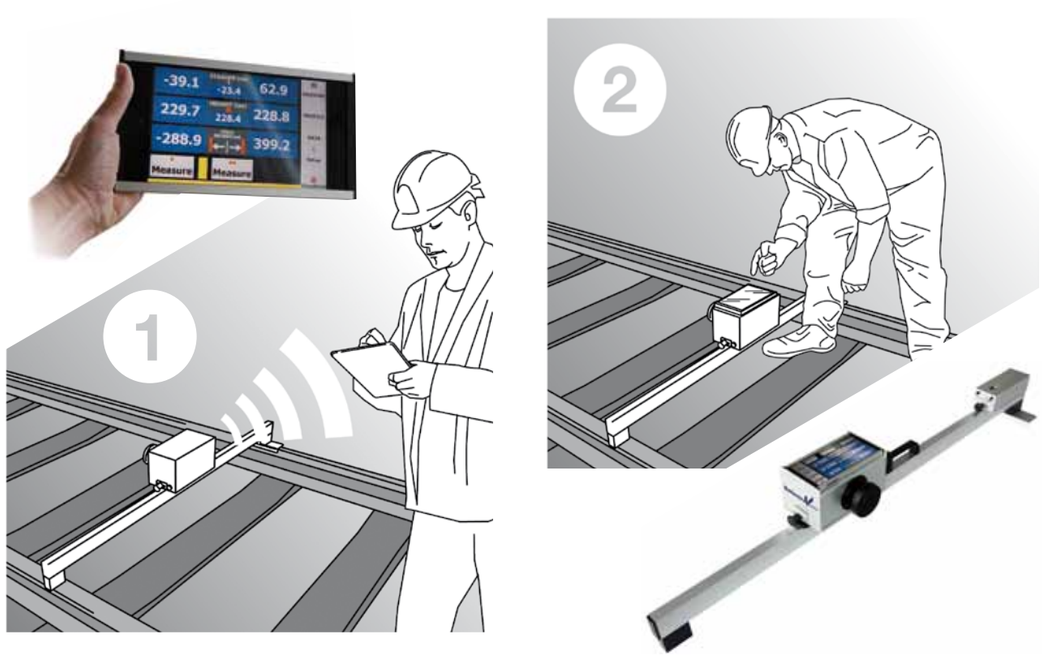
CAT-Portable

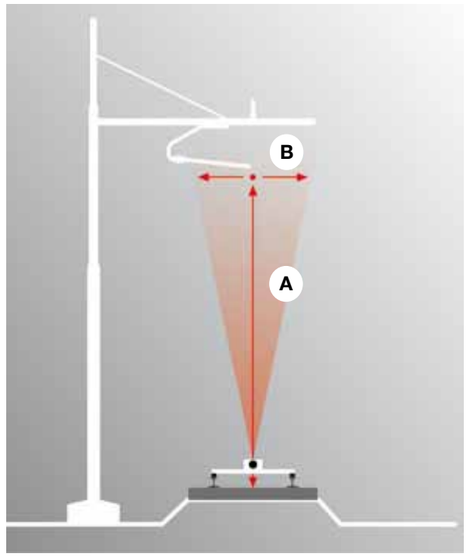
Technical specifications

Portable device for contactless measurements of overhead line geometrical parameters (height and stagger).

Working modes

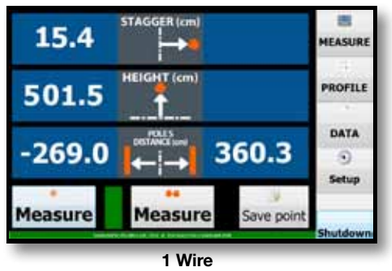


Standard measurements



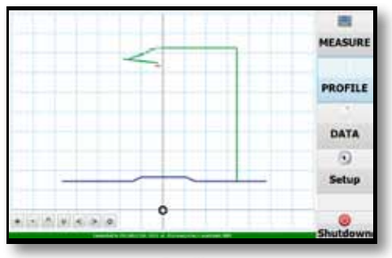
A: Height
B: Stagger

Software interface during measurement



1 Wire

2 Wire



Profile

CAT-Portable Data Viewer