



CST302R/305R

User-friendly, powerful electronic total station with superior optics

- ▶ Accuracy of 2 seconds (CST302R) or 5 seconds (CST305R)
- ▶ Pre-installed, high-performance software
- ▶ Large, dual-sided display

Additional features

- ▶ Internal memory of 15,000 points
- ▶ Working range up to 300 m without a prism and up to 3,000 m with one prism
- ▶ Data upload and data transfer through RS-232, USB port or SD card
- ▶ Menu languages: English, German, French, Spanish, Portuguese

Applications

- ▶ Surveying
- ▶ Construction
- ▶ Mapping
- ▶ GIS
- ▶ Utilities
- ▶ Environmental studies
- ▶ Geomarking



Technical Specifications	CST302R	CST305R
Part number	F 034 053 2N0	F 034 053 3N0
Magnification	30x	30x
Resolving power	4.0"	4.0"
Field of view	1°30'	1°30'
Minimum focus	1.3 m	1.3 m
Distance measurement with 1 prism	Up to 3,000 m	Up to 3,000 m
Angular accuracy	2"	5"
Internal memory	15,000 points	15,000 points
Tripod connection	5/8"-11	5/8"-11
Weight	9.1 kg (with hard carry case)	9.1 kg (with hard carry case)
Scope of delivery		
Software	✓	✓
Tool kit	✓	✓
Sunshade	✓	✓
Rain cover	✓	✓
Plumb bob	✓	✓
2 x batteries (NiMH)	✓	✓
Charger with EU/UK power cable (1 608 M00 2NE)	✓	✓
Cable (1 608 M00 3N1)	✓	✓
Hard carry case	✓	✓



Accessories for Total Stations

56-CHCTS

Part number

► Charger for electronic total station

► **Suitable for** CST302R, CST305R

56-CHCTS

1 608 M00 2N4

56-NMH300

Part number

► Battery pack for electronic total station

► **Suitable for** CST302R, CST305R

56-NMH300

1 608 M00 1NJ

56-CST9PIN

Part number

► Data transfer cable for electronic total station

► **Suitable for** CST302R, CST305R

56-CST9PIN

1 608 M00 3N1



Accessories for Total Stations



63-1010-O, 63-1010-Y

Part number

- ▶ Prism with all metal holder and target plate - Optima Series
0/-30 mm offset. Precision ground to an accuracy of 2.5 arc seconds (62.5 mm). Fully compatible with leading manufacturers. Locking screw for tilt setting. Bayonet adapter with 5/8"-11 inner thread.

▶ **Suitable for** CST302R, CST305R

63-1010-O (Orange)	F 034 055 2NG
63-1010-Y (Yellow)	F 034 055 2N5



63-1010V-O

Part number

- ▶ Prism with all metal holder and target plate (orange) – Value Line

0/-30 mm offset, Optima series. Fully compatible with leading manufacturers. Locking screw for tilt setting. Bayonet adapter with 5/8"-11 inner thread.

▶ **Suitable for** CST302R, CST305R

63-1010V-O (Orange)	F 034 055 2NE
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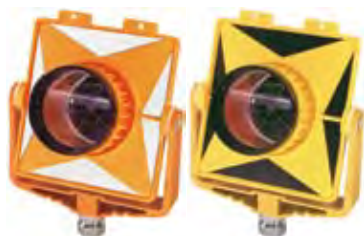
63-1012-O, 63-1012-Y

Part number

- ▶ All metal holder and target plate

▶ **Suitable for** prism 63-2011-O, 63-2011-Y

63-1012-O (Orange)	F 034 055 2NL
63-1012-Y (Yellow)	F 034 055 2NJ



63-2010M-O, 63-2010M-Y

Part number

- ▶ Prism with plastic target plate
0/-30 mm offset. Precision ground to an accuracy of 2.5 arc seconds (62.5 mm). Durable and robust aluminium holder. Fully compatible with leading manufacturers. Holder with tilt of up to 350°. Bayonet adapter with 5/8"-11 inner thread.

▶ **Suitable for** CST302R, CST305R

63-2010M-O (Orange)	F 034 055 1N8
63-2010M-Y (Yellow)	F 034 055 1N6



63-2012M-O

Part number

- ▶ Holder and target plate*

Durable and robust aluminium holder. Plastic target plate. Fully compatible with leading manufacturers. Holder with tilt of up to 350°. Bayonet adapter with 5/8"-11 inner thread.

▶ **Suitable for** prism 63-2011-O, 63-2011-Y

63-2012M-O (Orange)	F 034 055 3N6
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* Supplied without prism



63-2011-O, 63-2011-Y

Part number

- ▶ Prism
0/-30 mm offset. Precision ground to an accuracy of 2.5 arc seconds (62.5 mm). Fully compatible with leading manufacturers.

▶ **Suitable for** 63-1012-O, 63-1012-Y, 63-2012M-O

63-2011-O (Orange)	F 034 055 1NG
63-2011-Y (Yellow)	F 034 055 1NE

Accessories for Total Stations



63-2011V-O

Part number

- ▶ Prism in canister (orange) – Value Line

0/-30 mm offset. Precision ground to an accuracy of 5 arc seconds (62.5 mm). Fully compatible with leading manufacturers.

- ▶ **Suitable for** 63-1012-O, 63-1012-Y, 63-2012M-O

63-2011V-O (Orange)

F 034 055 1NS



63-2600-O

Part number

- ▶ Triple prism with all metal holder and target plate

0/-30 mm offset. Precision ground to an accuracy of 2.5 arc seconds (62.5 mm). Three hermetically sealed prisms. Bayonet adapter with 5/8"-11 inner thread.

- ▶ **Suitable for** CST302R, CST305R

63-2600-O (Orange)

F 034 055 5N1



63-3023

Part number

- ▶ Prism with all metal holder and target plate

-34 mm offset. Leica® type H.I. and push-button mounting. High-precision, copper-coated prism. Snap-in prisms are compatible with Leica®/Wild type holders and prisms. GPH1 prism and holder (centrally symmetrical point in the standing axis of the prism carrier).

- ▶ **Suitable for** CST302R, CST305R

63-3023

F 034 055 4NA



63-3022

Part number

- ▶ Prism with holder

-34 mm offset. Precision ground to an accuracy of 2.5 arc seconds (62.5 mm). GPH1-compatible with snap-in lock. Made of high-strength plastic, copper-coated. Centrally symmetrical point in the standing axis of the prism carrier (visible prism centre).

- ▶ **Suitable for** CST302R, CST305R

63-3022

F 034 055 4N9



63-3024

Part number

- ▶ Prism

-34 mm offset. Precision ground to an accuracy of 2.5 arc seconds (62.5 mm). GPH1-compatible with snap-in lock. Made of high-strength plastic, copper-coated. Centrally symmetrical point in the standing axis of the prism carrier (visible prism centre).

- ▶ **Suitable for** prism holder 63-3025

63-3024

F 034 055 4NB



63-3025

Part number

- ▶ Prism holder

Made of high-strength plastic.

- ▶ **Suitable for** prism 63-3024

63-3025

F 034 055 4NC

Accessories for Total Stations



63-4000

Part number

► Reflector system

-34 mm offset. Ideal for working at short distances (up to 200 m), e.g. convergence measurements in tunnel construction. Compatible with Wild type plug-in stud.

► Suitable for CST302R, CST305R

63-4000

F 034 005 5N0



65-1500M

Part number

► Universal mini prism with metal holder and accessories

0/-30 mm offset. Diameter of 25.4 mm, sealed. 5/8"-11 thread. Precision ground to an accuracy of 2 arc seconds. Side-mounted circular vial.

► Suitable for CST302R, CST305R

65-1500M-C (Chartreuse)

F 034 055 6N4

65-1500M-R (Red)

F 034 055 6N5



65-1700-R

Part number

► Mini prism stake out pole system

Precise 25.4-mm mini prism with 0/-30 mm offset. M6 thread connection at top and bottom. Precision prism pole. Supplied with fabric bag.

► Suitable for CST302R, CST305R

65-1700-R

F 034 055 BN3



65-3500M

Part number

► Mini prism with all metal holder and target plate

With fabric bag and batter board point. -34 mm offset. Side-mounted circular vial.

► Suitable for CST302R, CST305R

65-3500M

F 034 055 CN1