AXIS 2

STEC

Mechanical Total Station

2"
2+2ppm
1500/2000m
GUIDE LIGHT
QUICK-MEASURE

RELIABLE AS A MILESTONE

AXIS 2 features sharp optics, smart design, and high-quality components — everything you need for reliable field performance.

It delivers ideal 2", 2+2ppm accuracy for most construction and surveying tasks.

FAST, ACCURATE AND LONG DISTANCE

Powered by dual-laser EDM technology, it delivers reduced phase errors, faster measurement (0.3s), and selectable range options of 1500m or 2000m — built for precision and performance.

FLEXIBLE DATA TRANSFER

Seamless transfer via USB or Bluetooth, supporting multiple export formats for maximum compatibility.
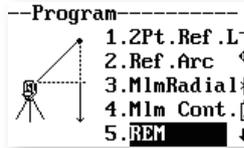
- 2" angle accuracy
- Ultra fast (0.3s) and accurate (2+2ppm) distance measurement
- 1500m/2000m non-prism range
- Backlit, graphic LCD screen
- Hotkeys and shortcuts
- MSR1/MSR2 for different configurations
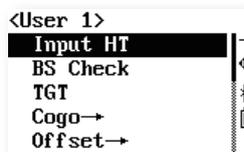- Guide light

PRACTICAL ONBOARD PROGRAMS
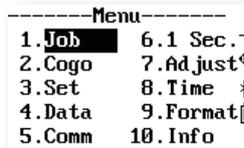
Built-in Applications
Designed to align with typical field workflows,ensuring logical navigation and faster task execution.

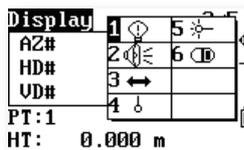The onboard COGO provides functions to calculate inverses, areas, offsets, MLM, REM, etc.

Configurable USER keys and Shortcuts
Specific functions can be assigned to USER key for quick access.

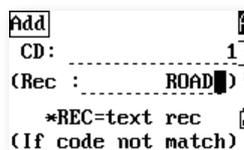Common operations — like station setup, stakeout, programs and data transfer — and adjustments are easy to access from the basic measurement page.
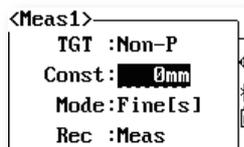
MSR1/MSR2 for Different Measure Mode
MSR1 and MSR2 allow two different configurations, instantly activated by a single button press.

Saving Time by Quick Code and Asterisk Search
Quick Code allows for faster operation by minimizing manual input.

Stay Powered, Stay Productive
Enhanced system management ensures smooth operation, while the long-lasting battery delivers up to 16 hours of continuous use.

SPECIFICATIONS

TELESCOPIC

Length	150mm
Diameter	Telescopic: 40mm; EMD: 45mm
Magnification	30x
Image	Erect
Field of View	1°30'
Resolving Power	3"
Minimum Focus	1.2m

DISTANCE

Single Prism Range	5,000m
Accuracy	±(2mm+2mm*D)m.s.e
Non-prism Range	1,500m	2,000m (AXIS 2L)
Accuracy	±(3mm+2mm*D)m.s.e
Measuring Time	Fine: 0.3s; Normal: 0.2s
Meteorologic Correction	Auto Sensor
Prism Constant	Manual

ANGLE

Accuracy	2"
Method	Absolute Encoding
Detecting System	H: dual; V: dual
Minimum Reading	0.1"/1"
Diameter of Circle	79mm
Vertical Angle 0°	Zenith: 0°; Horizontal: 0°
Unit	360°/400gon/6400mil

DISPLAY

Display Unit	160*90 with backlight, 6 lines
No. of Displays	2
Keyboard	Alphanumeric

GUIDE LIGHT

Type	Red+yellow flashing LEDs
Working Range	150m

PLUMMET - LASER

Type	Class 3A
Accuracy	<0.4mm @ 1.5m height
Spot Diameter	<1.5mm @ 1.5m height
- OPTICAL	*optional
Image	Erect
Magnification	3X
Focusing Range	0.3m - ∞
Field of View	5°

TILT CORRECTION

Tilt Sensor	Dual axis
Method	Liquid electric
Range	6'
Resolution	1"

LEVEL

Plate Level	30"/2mm
Circular Level	8'/2mm

DATA INTERFACE

Data Interface	USB2.0
Wireless	Bluetooth 2.1

GENERAL

Quick-meas Button	Yes
Weight	5.4kg
Dimension	353 (H) * 206 (L) * 200 (W) mm
Operating Temperature	-20°C to 50°C
Battery	Li-on battery, 7.4V, 3000mAh
Water & Dust Proof	IP55
Working Duration	16h

STEC

CE