



7D Kinematic Metrology

Datashet



iSPACE INTEGRATED SCALEBAR

The Integrated Scalebar is the standard bundle tool for any iSpace system. It acts as a precision reference length artifact for automated bundling of iGPS transmitters. It is available in both 1m and 2m lengths.

KEY FEATURES & BENEFITS

- Precisely calibrated optical length ensures accurate system scale after bundling
- Includes two 1000mm carbon bars for excellent environmental stability
- Includes integrated sensors and the option of wired or wireless G6 PCE
- Lightweight tripod for easy deployment

APPLICATIONS

The Integrated Scalebar is used for bundling a network of transmitters and establishing the system scale.

To bundle a network of transmitters simply walk the Scalebar around the perimeter of the measurement volume; the iSpace software *Surveyor* will automatically collect bundle data and calibrate the transmitter positions.

Along with being used to calibrate Free Network systems it can also be used to strengthen the calibration of a Monument system.

The 2m Integrated Scalebar is intended for large volume systems where measurement lengths of interest are up to 6m.

TECHNICAL SPECIFICATIONS

ACCURACIES

Scalebar	System Scale Uncertainty ¹
2m	10ppm

¹Refers to the scale uncertainty of an iSpace system bundled with the Scalebar. Uncertainty determined by comparing length measurements with a certified instrument according to B89 standard.

ENVIRONMENTAL REQUIREMENTS

Operating Temperature	0°C to 40°C (32°F to 104°F)
Storage Temperature	-20°C to 60°C (-4°F to 140°F)
Relative Humidity	10% to 75% (non-condensing)

HARDWARE SPECIFICATIONS

Weight (includes tripod)	2m: 2.36kg
Communication	Wired: 802.3 LAN Wireless: 802.11 a/b/g WLAN

Security	WPA2 IEEE 802.11i
Power	Wired: 802.3af (POE LAN) Wireless: High Density Li Ion Battery

CONFIGURATIONS & OPTIONS



CONFIGURATIONS

Part No.	Description
0129190	2m wireless Scalebar Kit includes: <ul style="list-style-type: none"> • 2 1000mm carbon bar assembly • 2 batteries and charger • Lightweight tripod

All Scalebar Kits include a tripod, rugged flight case & calibration certificate.

OPTIONS

Part No.	Description
SVCE-600-315	ScaleBar Optical Length Re-Certification
0063474	Spare i6 Probe Battery



7D KINEMATIC METROLOGY

13-14 55 Fleming Dr
Cambridge, Ontario, Canada
N1T 2A9
www.7DKMetrology.com
info@7DKMetrology.com