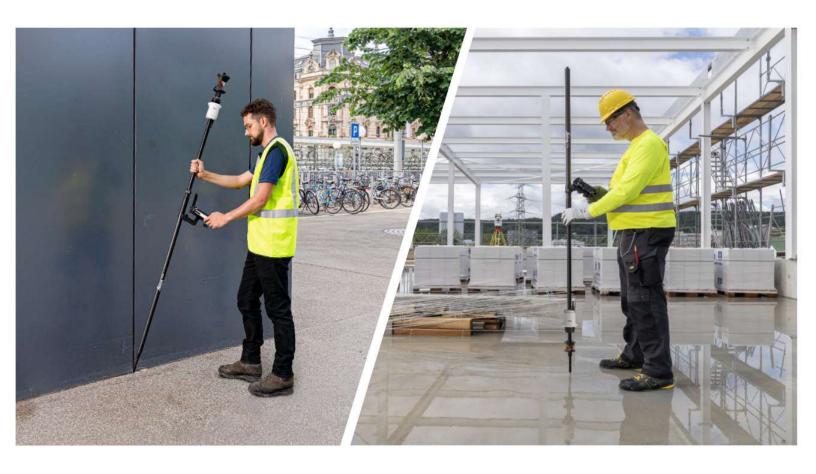
Leica AP20 AutoPole

Data sheet





PoleHeight

Save time and eliminate mistakes that resul. from both height reading and manual input in.) the application software. Whenever the ole height changes, the automatic PoleHeight function will update the height settings to ensure reliable and accurate measurements



ιιΙι Compensation

Increase productivity and efficiency with tilt compensation that eliminates the necessity to level the pole. Measure inaccessible points conveniently increase your overall measurement output and ensure highest job standards by verified compensation o. the tilted pole alignment.



Tar_etID

. e unstoppable with the TargetID feature! Automatic target search, identification and locking prevents measurements to foreign targets and avoids interruptions that can occur on a busy, multi crew construction or measurement site.



leica-geosystems.com











Leica AP20 AutoPole

Leica AF20 AutoPole is the only smart system on the market that solves three common workflo.v problems surveying and construction professionals face daily:

- entering the pole height manually into the field soft.vare
- having to level the pole
- accidentally locking to a foreign target at a busy site

The AP20 helps users work more efficiently, trust the data they gather and increase productivity overall. The result is faster completion of projects while maintaining high quality standards.



POLEHEIGHT

Accuracy in height	At snap-lock position	/ 1.0 mm		
TILT COMPENSATION				
		Additional pole tip uncertainty for tilt down to 90, typically		
	Target height (m)	Horizont 4 (25,	Vertical (1)	
	0.228	1 mm - 0.1 mm/ ' tilt	1 mm - C.95 mm/* tilt	
	1.000	∠ mm → 0.6 mm/° tilt	1 mm - C U5 mm/ tilt	
	.000	4 mm - 0.7 mm/° tilt	1 mm - C ⊥ mm/° tilt	
Tilt range-	-, 180'			
Range to total station³	Typically 300 m			
TARGETID				
Number of different IDs	16			
Wo king range	Typically 150 m			
GENERAL				
Power management	Exchangeable Lithium-lon battery (JEB321)	Operating time up to 16 h for AP20 H / AP20 ID and 6 h for AP20 I / AP20		
Weight	AP20 including battery	0.5 kg (1.1 lbs)		
Power management	Working temperature range Storage temperature range Dust & Water (IEC 60529) / Humidity	-30°C to +50°C (-22°.5 to 14 -40°C to +80°C (-40°.5 to 17 IP67 / 95%, non-condensing	6°F)	

LEICA AP20 AUTOPOLE VARIANTS	AP20 H	AP20 ID	AP20 T	AP20
PoleHei₃ht		×	V	
ril. Compensatio*	<i>,</i>	×	~	v
iarget:D°	ŕ	~	•	
LEICA AP REFLECTOR POLE VARIANTS	GL5516	GLS51 F ⁷	CRP46	CRP5
u veying stub :nte.fa e	V	V	×	×
C-inst, u-tinn_5/8" screw interface	×	×	~	V
Snap lock pilistion every	5 cm	0.2 ft	5 cm	1.0 ft

= Standard X = Not available

- easure, e...t are is on, accuracy, reliability and time for initialization are dependent u on various factors including angular and distable elaccuracy of the total station, target type atmospher onditions target height and level of pole tilt.

 2. Free I ne of sight to turget required.
- * 0.228 m refers to height with C P10 attached to GRZ122



Scan to find out more about AP20 for Construction

- Using radio handle kHlJ or CCLlJ, co.mected to CSz0 with internal LR-B.
- κequires total stat on with target loc., functional t_y and radio handle κH18 or CCJ13 κequires total stat on with , owerSearch funct onality
- Metric scale
- Feet scale



Scan to find out more about AP20 for Surveying

The Bluetooth® trademarks are owned by Bluetooth SIG. O her nacemark, and rade names are hose of their respective owners. Copyright Le. a LeoLys ems. (G. 9.35 Heerbrugg). w tzerland, \thinght_reser ed. Frinted 3:5 \(\therefore\). \(\text{trans}\). \(\text{trans}\). Leica Geosystems LG is part of Helagon LB 953389enus 05.22

Leica Geosystems AG

Heinrich-Wild-Strasse 9435 Heerbrugg, Switzerland +41 71 727 31 31



