

The Wild T16 (T16E) Direct Reading Theodolite

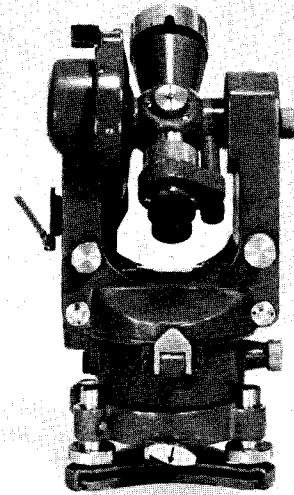
The Wild T16 (T16E) Direct Reading Theodolite has been designed as a tacheometric theodolite suitable for all low-order triangulations, tacheometric detail and traverse surveys, mine surveys, property surveys, building site measurements, marking out, etc. The easily read scales of the horizontal and vertical circles allow work to be carried out quickly, with estimation to one tenth of a graduation interval (one minute of arc) accomplished without difficulty. All clamps and drive screws are placed logically so that they can be manipulated safely and comfortably. The combination of the simple circle scale reading and the operation of the instrument itself makes the T16 a most useful instrument for use by trainees.

The T16ED has the extra facility of a horizontal circle with double numbering (360° circle only), allowing angles to be read or set out either to the left ("North to West") or, in the normal fashion, to the right ("North to East"). The detachable tribrach ensures that the T16 can be used with all Wild traversing equipment and, of course, the normal accessories and attachments all provide additional uses and accuracies for the instrument. — For full description see brochure G1 241e.

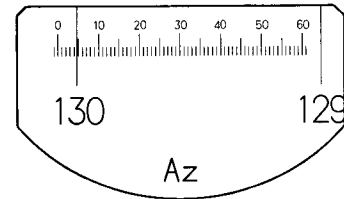
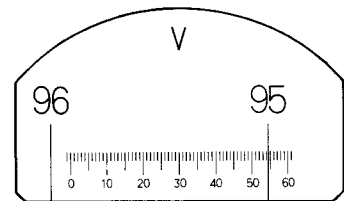
Technical Data

Telescope:

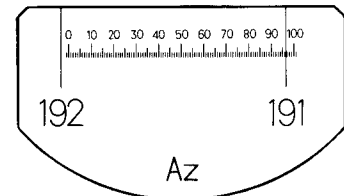
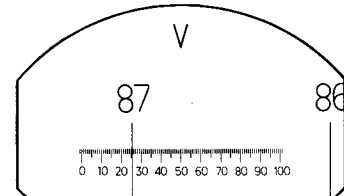
Magnification	28×
Clear objective aperture	1.6 in (40 mm)
Field of view at 1000 ft (m)	29 ft (m)
Shortest focussing distance T16	5 ft (1.5 m)
Shortest focussing distance T16E (erect image)	7.2 ft (2.2 m)
Multiplication constant	100
Additive constant	0
Length	6 in (150 mm)
Sensitivity of plate level, per 2 mm	30"
Sensitivity of index level, per 2 mm	1'
Sensitivity of circular bubble, per 2 mm	8'
Glass circles	360° or 400 ^g
Diameter of horizontal circle	3.1 in (79 mm)
Diameter of vertical circle	3.1 in (79 mm)
Graduation interval (both circles)	1° or 1 ^g
Optical scale interval	1' or 1 ^c
Reading by estimation to	0.1' or 0.2 ^c
Weight of T16	10.3 lb (4.7 kg)
Weight of container	4.4 lb (2.0 kg)
Average height of tilting axis	8 in (204 mm)



Wild T16



360° Readings: vertical circle 95° 54.4'
horizontal circle 130° 04.6'



400^g Readings: vertical circle 87.254^g
horizontal circle 191.966^g

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