

# LT8-300LTU

## LINE TRANSFER UNIT

- ▶ Powerful 26X optics
- ▶ Accuracy up to 3/16-in @ 150-ft (4.75mm at 45m)
- ▶ Range up to 400-ft (120m)
- ▶ Laser plummet (model 8879 only) for quick and easy setup
- ▶ Circle lock assures accuracy by preventing the horizontal circle from being moved accidentally
- ▶ Glass reticle with stadia lines for measuring distance
- ▶ Plate vial for rough leveling and general plummeting requirements.



### Easily Transfers Lines

Setup pipe aligning lasers



### Versatile Level-Transit

360° telescope rotation



# LT8-300LTU LINE TRANSFER UNIT

## VERSATILE LEVEL-TRANSIT WITH 360° TELESCOPE ROTATION

The LT8-300LTU with 360° telescope rotation allows you to see directly below the instrument for pipe laying applications. Precision telescope provides a sharp image magnified 26 times. Vial sighting notches are used for fast preliminary sighting.

### Smooth Precision Focusing

Quickly focus on an object and bring the crosshairs into focus. David White Universal instruments utilize the smooth precision of a rack and pinion mechanism for focusing. Focus range is from six feet to infinity.

The instrument leveling vial is aligned and graduated to facilitate centering the bubble.

### Accurately Set and Read Angles

Precise horizontal circle can be rotated for easy angle setting and reading and is divided in quadrants (0-90°). Circle is marked by degrees and numbered every 10 degrees.

Designed with horizontal circle lock to assure accuracy by preventing the horizontal circle from being moved accidentally. The horizontal vernier permits dividing whole degrees into fractions of 1/12° (5 minutes).

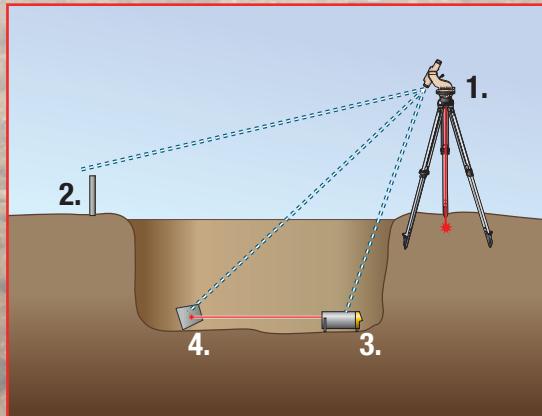
### Unique Shifting Center

Engineered with unique shifting center for accurate placement of the instrument over a point. Four screw leveling base provides stability when mounting to a 5/8-11 base tripod.



## SET UP PIPE ALIGNING LASER INSTRUMENTS

1. Set up the LT8-300LTU over the reference point
2. Sight on the far point and lock the horizontal screw
3. Transit over the pipe laser and align the front and back of the pipe laser with the cross hair in the line transfer unit
4. Transit out to point in ditch. Adjust laser beam left or right to center it in the crosshairs



## Specifications

### Telescope

Power:	26X
Length:	8.5" (216mm)
Min. Focus:	6' (1.8m)
Aperture:	1.257" (32mm)
Field of View:	1'9" @ 100' (0.5m @ 30m)
Number of Lenses:	8
Stadia:	1:100
Rotation:	360°
<b>Range:</b>	Up to 400' (125m)
<b>Accuracy:</b>	Within 3/16" @150 feet (5mm @ 50m)

### Horizontal Circle:

Diameter:	4-5/8" (117mm)
Graduations:	Each 1°
Numbers:	Each 10°, 0-90-0°
Vernier:	Double direct to 5 min.
<b>Center:</b>	Wide-stance ball bearing
<b>Telescope Vials:</b>	120 sec. per 2mm
<b>Plate Vial:</b>	360 sec. per 2.5mm

## Models Available

46-8877	<b>LT8-300LTU</b> Universal Line Transfer Unit  <b>Includes:</b> instrument, rain hood, objective lens, case, manual
46-8879	<b>LT8-300LTULP</b> Universal Line Transfer Unit with Laser Plumb  <b>Includes:</b> instrument, rain hood, objective lens, case, manual