

# Towers

## Free-Standing, Guyed and Portable

Mesotech offers a complete line of towers for all meteorological and hydrological applications. Fixed base towers can be freestanding or guyed, with bases for roof or concrete platforms. For special applications, you may need a portable tower, telescoping mast, folding tower, or a tower that can withstand cyclones. We offer frangible fixtures for airport installations and lightning protection kits for all towers.

The fixed-base towers range in heights from 3 m to 10 m for sensors, and up to 30 m for RF communications. The towers are constructed from galvanized steel or structural aluminum. A three-legged, equilateral triangle design is used with zigzag structural supports. Roof mounted towers and towers above 10 meters may require guying for stability in high winds. A freestanding, 10-meter tower capable of withstanding cyclone force winds is available.

Our portable towers are tripod designs made from galvanized steel or structural aluminum. Guy wire kits and ground anchors are available for each tripod.

Mesotech can design or modify a tower or mast for your special application. For example, we have telescoping masts (manual and motorized) for commercial and military vehicles, and telescoping poles up to 50 meters in height for low-level wind shear alert systems.

The lightning protection kits include an air terminal, one or more earth electrodes (copper rod or plate), copper grounding conductor, and misc. hardware for your specific tower.

### Technical Specifications

Types:	Freestanding, guyed, roof mount, portable, masts, and high poles.
Designs:	3-legged, equilateral structure with zigzag supports, tripods, or telescoping poles
Materials:	Galvanized steel, structural aluminum, or stainless steel (masts)
Mounting:	Concrete foundation, roof, or frangible
Sizes:	Structural towers 3 m to 30 m, masts 1m to 10 m, and high poles to 50 m

### Ordering Information

Consult our factory experts for specific recommendations on your application. Some of our common models are:

TRT36	Tripod, galvanized steel, 1 meter (pole not included)
TRT36P	8' pole for mounting sensors
TS-88	Portable tripod, aluminum, 9', (includes pole)
UT430	Freestanding, aluminum, 10 m
UT930	Freestanding, aluminum, 10 m, high wind tolerance
6120T	Freestanding, galvanized steel, 10 m, with frangible base for airport installations
6642	Freestanding, cyclone steel structure, 10 m

