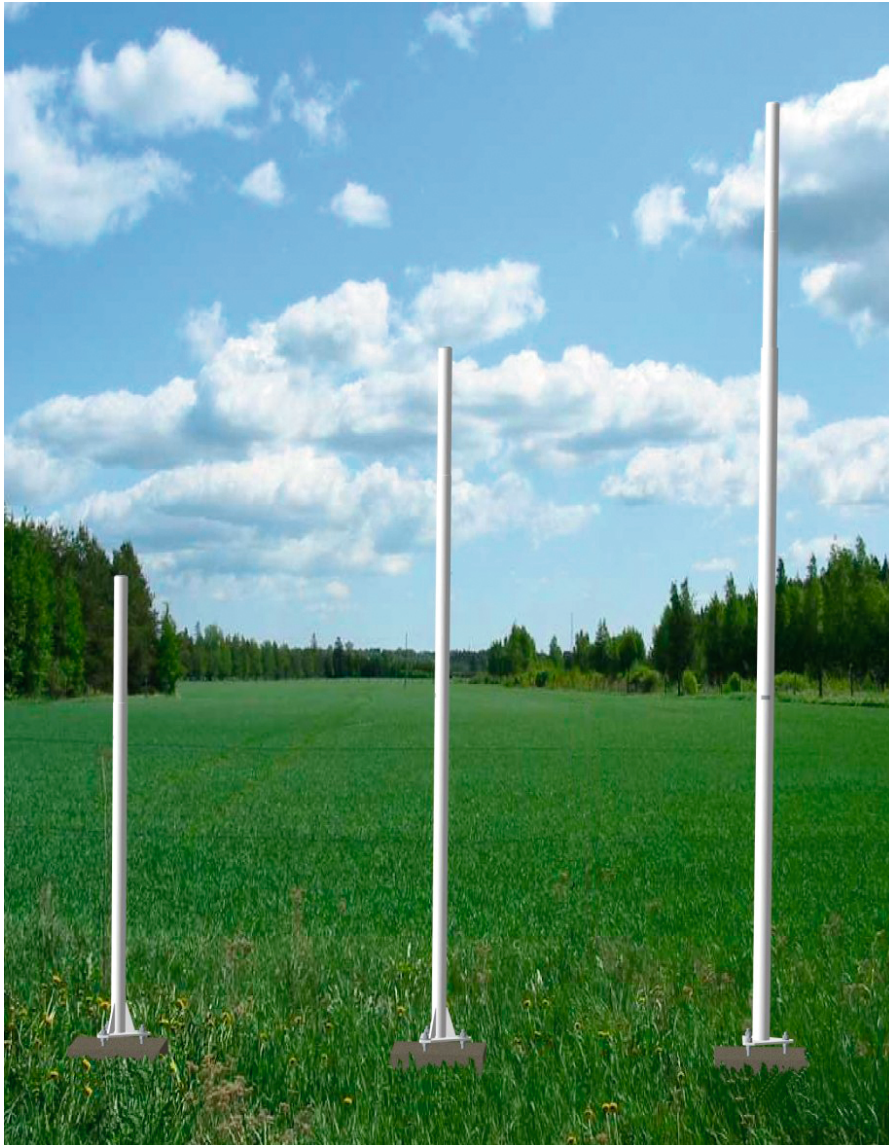




Short Pole Masts DKP204W, DKP203W, and DKP202W



Features

- Easily tilted down for equipment installation and maintenance when equipped with the optional tilt division flange
- An optional insulated guy wire (for DKP204W) and air terminal provide maximum lightning safety
- Foundation set includes all the necessary parts for quick and easy installation
- Maintenance free aluminum/ stainless steel construction
- Packages are suitable for air freight
- Suitable for a wide range of automatic weather station applications

Vaisala Short Pole Masts DKP204W (4 m high), DKP203W (3 m high), and DKP202W (2 m high) are suitable for a wide range of surface weather and climatological applications.

The mast tubes of Vaisala Short Pole Masts DKP204W, DKP203W, and DKP202W are made of anodized aluminum. In DKP204W, the remaining parts of the main assembly are made of stainless steel to resist weathering. The masts are painted white.

The optional, highly efficient air terminal protects the sensors and other equipment against lightning strikes. The air terminal with the non-conductive

holders is grounded through the support guy wire, which is completely isolated from the mast. The equipment is always grounded to a separate grounding point. The foundation set includes all the parts needed to construct a steady and correctly orientated base for the mast. The only additional item needed is concrete or an existing concrete pad. With the optional leveling/welding plate, the mast can be installed also to metal surfaces.

To maintain the sensors and other equipment installed on the upper mast assembly, one maintenance person can effortlessly tilt the mast when it is equipped with the optional tilt division flange. This significantly reduces the maintenance costs of weather stations. The basic mast delivery includes the mast pole and the foundation set. All the components are packed in a durable cardboard box that is suitable for air freight.

Technical Data

Main Mast Assembly

Height

DKP204W	4 m (13 ft 1 in)
DKP203W	3 m (9 ft 10 in)
DKP202W	2 m (6 ft 7 ft)

Diameter

Lowest section, DKP204	75 mm (2.95 in)
Lowest section, DKP203 and DKP202	63 mm (2.48 in)
Top of the mast	60 mm (2.36 in)

Materials

Base, DKP204	Stainless steel
Base, DKP203 and DKP202	Aluminum alloy
Tube material	Aluminum alloy
Other parts, such as bolts	Stainless steel

DKP204W Support Guy Wire (Optional)

Material	Stainless steel
Breaking strength	28 kN
Marking	Black and yellow cable shrouds to the height of 2 m (6 ft 7 in) above ground

Foundation Set

Material	Galvanized steel
Thread of foundation bolts	M16
Length of foundation bolts	220 mm (8.66 in)
Wedge bolts	Cast or drilled into concrete using the template provided

Mast Concrete Base

Soil bearing capacity must exceed 45 kPa

Coating/Painting

Aluminum parts	Anodized and painted
Steel parts	Galvanized
Stainless steel parts	Base: Painted Other parts: Uncoated

Packages

Material	Cardboard
Maximum length	< 3.1 m (10 ft 2 in), suitable for air freight

Weight

DKP204W pole	24 kg (52.9 lb)
DKP203W pole	11 kg (24.3 lb)
DKP202W pole	7.5 kg (16.5 lb)

Spare Parts and Accessories

Item	Order Code
4 m (13 ft 1 in) mast with foundation set	DKP204W
3 m (9 ft 10 in) mast with foundation set	DKP2043
2 m (6 ft 7 ft) mast with foundation set	DKP202W
Foundation set	DKF200-2
Options	
Leveling/Welding plate	DKP200LP-2
Tilt division flange	DKP200DF-2
Passive air terminal	DKL200
Support guy wire for DKP204W	DKP200SW



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