



## Measuring and Marking Posts by Franken Plastik



# FP measuring and marking posts

## Aluminium posts



FP measuring and marking posts for cathodic corrosion protection combine state-of-the-art application technology with optimum material properties. Safety, stability and user-friendliness are their characteristic qualities.

### Posts

- of high-quality aluminium, very sturdy
- UV- and corrosion-resistant
- the detachable top facilitates easy measurements and controls
- with stable lock for protection against unauthorised persons
- available in various lengths and designs, to allow optimum adaptation of the posts to meet the respective requirements

### Anchoring

FP Marking and measuring posts available with earth anchor bar and spread feet as a special design. In addition, a special aluminium earth anchor with broad supporting surface is also available for the marking post.

### Mounting indicator signs

- On marking posts with screw-fixing channel at any height
- On measuring posts by means of PA clamp set

### Aerial-view plates

- the round aerial-view plates of high-quality plastic Luran S, robust and non-fading
- the powder-coated aluminium top plate in roof-shaped design, stable and corrosion-resistant



**FP marking post with screw-fixing channel**

Design changes possible



**FP measuring post modular version**



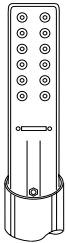
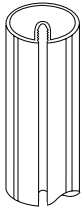
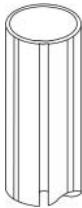
The plastic connection piece between upper section and lower section can be removed completely. The whole inner diameter can be used for inserting the cables.





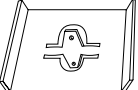


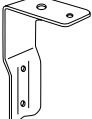
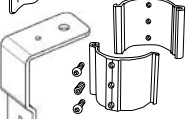
Various possibilities for the installation of the cables. Insulated terminals for pole connectors as well as mounting rails (TS32 or TS35) for clamp connectors can be fitted very easily.

# Aluminium posts



Beschreibung	Typ	Artikel-Nr.
 <p><b>Measuring post modular version</b> aluminium (AlMgSi) powder-coated, yellow incl. electrical connection board for 2 x 6 pole clamps, rod-type ground anchor, plastic cap and plastic key</p> <p><b>ditto Spread feet</b></p> <p>Special colours blank, blue, white, grey on request</p>	<p>Ø 100 mm 1.5 m 2.0 m 2.5 m 3.0 m</p> <p>Ø 100 mm 1.5 m 2.0 m 2.5 m 3.0 m</p>	<p>241100 241101 241102 241103</p> <p>241104 241105 241106 241107</p>
 <p><b>Marking post with screw-fixing channel</b> aluminium (AlMgSi), powder-coated, yellow, incl. rod-type ground anchor and plastic cap</p>	<p><b>Ø 48 mm</b> 2.0 m 2.5 m 3.0 m</p> <p><b>Ø 60 mm</b> 2.0 m 2.5 m 3.0 m</p> <p><b>Ø 100 mm</b> 2.0 m 3.0 m 3.0 m</p>	<p>S16742 S16743 S16744</p> <p>S16761 S16762 S16763</p> <p>S16751 S16752 S16753</p>
 <p><b>Marking posts type PROFILAL</b> aluminium (AlMgSi) powder-coated, yellow, <b>spread feet</b> and plastic cap</p> <p>Special colours blue, green, white on request</p>	<p><b>Ø 60 mm</b> 2.0 m 2.5 m 3.0 m</p> <p><b>Ø 100 mm</b> 2.0 m 2.5 m 3.0 m</p>	<p>242105 242106 242107</p> <p>242145 242146 242147</p>



Beschreibung	Typ	Artikel-Nr.
 <p><b>Alu clamp set</b> incl. 2 screws</p>	<p>Ø 60 mm Ø 100 mm</p>	<p>16431 249026</p>
 <p><b>Screw-fixing channel mounting accessories</b></p>	<p><b>V2A screws</b> 5.5 x 16 mm bag á 100 pieces</p>	<p>16323</p>
 <p><b>Special aluminium ground anchor for posts with screw-fixing channel</b> 250x250x2.5 mm</p>	<p>Ø 48 / 60 mm Ø 60 / 100 mm</p>	<p>16349 16547</p>
 <p><b>Aerial-view plates</b> roof-shaped design <b>aluminium</b>, powder-coated, yellow incl. screw/nut M8</p>	<p>330 x 250 mm 500 x 330 mm 600 x 330 mm</p>	<p>243100 243101 243102</p>
 <p>round shape <b>Luran S</b>, yellow, incl. screw/nut M8</p>	<p>Ø 440 mm</p>	<p>243105</p>
 <p><b>Aluminium aerial-view</b> plate adapter for Aluminium posts with screw-fixing channel incl. V2A screws</p>	<p>Ø 48/60/100 mm</p>	<p>243056</p>
 <p><b>ditto for Aluminium measuring posts and Aluminium marking posts type PROFILAL</b> incl. V2A screws</p>	<p>Ø 60 mm Ø 100 mm</p>	<p>243058 243057</p>
<p><b>Pole clamps</b> red - 4 mm socket black - 4 mm socket green - 4 mm socket yellow - 4 mm socket</p>	<p>16 ampere 16 ampere 16 ampere 16 ampere</p>	<p>249010 249011 249012 249013</p>
<p><b>Mounting rail for clamp connectors</b></p>	<p>TS32/35</p>	<p>249001</p>

# FP Measuring and marking posts

## Measuring post casing



Robust plastic casing made from Makrolon (polycarbonate), with full-protection insulation (degree of protection IP 43) and outstanding resistance against UV, adverse weather conditions and chemicals. The casings exhibit highly viscoplastic properties down to minus 90°C. Their very high ignition temperature of 500°C and their self-extinguishing behaviour mean that they are extremely hard wearing (in compliance with DIN 9102 and ASTM-D 635).

### Casing designs

#### Type 1 (article no. 244611)

Casing 494 x 134 x 120 mm, grey (RAL 7023), casing cover folds downwards when opened. Cover is fixed in place using a central lock (triangular SW 10), cover with mounting option for an indicator sign 140 / 200 mm including electrical connection board made from rigid PVC (250 x 82 x 6 mm) with eight boreholes 4.2 mm in diameter at 40 mm intervals horizontally and vertically, with strain relief adjusters. Entry of the cable through a slot opening 130 x 45 mm in the base of the casing.

#### Type 2 (article no. 244612)

Design is the same as KG 1/ZV, except that there is an option to fit the cable through an aluminium or plastic cable channel underneath the casing.

#### Type 3 (article no. 244613)

Casing 200 x 100 x 90 mm, grey (RAL 7023), with a casing cover that folds downwards when opened. Cover can be locked using two fixed-on hexagonal socket screws that cannot be lost. Easy cable entry through a 80 x 55 mm opening in the back of the casing, including electrical connection board made from hard PVC (145 x 87 x 6 mm), with six boreholes 4.2 mm in diameter at 40 mm intervals horizontally and vertically (without measuring clamp connectors).



### Accessories

#### ALST 1 (article no. 244015)

Aluminium square tube (AlMgSi 0.5), 120 x 50 mm, 1500 mm long with 2 tapholes M 10 to fasten the casing KG 1/ZV. Cable entry from underneath through an opening in the column and in the back of the casing.

#### ALST 2 (article no. 244016)

Aluminium square tube (AlMgSi 0.5), 120 mm x 50 mm, 1500 mm long, with 2 tapholes M 10 to fasten the casing KG 2/ZV, with 2 additional tapholes M6 to screw on the aluminium or plastic cable channel. Cable entry through the cable channel and an opening in the lower end face of the casing.

#### Type ALKK (article no. 244025)

Cable channel made from aluminium (AlMgSi 0.5), 120 x 50 mm, 1 part, 600 mm long, for mounting on the column type ALST 2.

#### Type KUKK (article no. 244026)

Cable channel made from plastic (polycarbonate), 110 x 52 mm, 2 parts, 680 mm long, for screwing on to a column type ALST 2.

#### ALST 3 (article no. 244020)

Aluminium square tube (AlMgSi 0.5) 80 x 40 mm, 1500 mm long with 2 tapholes M 8 to screw on the casing KG 3. Cable entry from underneath through opening in the column and the back of the casing.

**Triangular Spanner** to open and close the casing KG 1 / 2, SW 10 type DKS (article no. 249050)

**Pin Spanner**, hexagonal socket SW 5, to open and close the casing KG 3 Type SIS 5 (article no. 249051)



# FP measuring and marking posts

## Plastic PMMA posts



The usual high quality combined with optimum material properties, safety, stability, as well as user-friendliness, also applies to the measuring and marking posts with PMMA-coating.

### Posts

- of weather-resistant high-quality plastic material
- high impact strength through ABS
- non-fading and UV-resistant through co-extruded PMMA-coating
- scratch-resistant surface
- completely detachable top for optimum accessibility for mounting and measurements
- stable lock for protection against unauthorised persons
- individual packaging in foil

### Anchoring

FP Marking and measuring posts with rod-type ground anchor and spread feet as a special design.

### Signboard mounting

is performed on the flattened top by means of backing plate and subsequent snap-in of FP marker plate.

### Aerial line markers

- the round aerial line marker of high-quality plastic Luran S, robust and non-fading
- the powder-coated aluminium top in roof-shaped design, stable and corrosion-resistant

Design changes reserved



**Flexible cable installation through modular system**



**Screwed-on backing plate (can be pre-fitted at FP)**



**Clipping on of FP indicator sign**



**Mounting of aerial-view plates adapter**



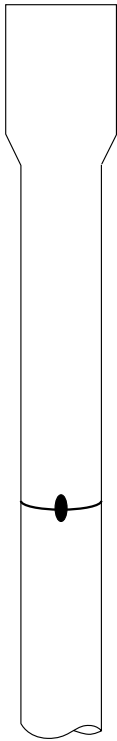
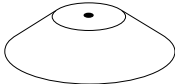
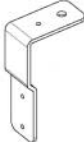
**Special design with spread feet**



**Rod-type ground anchor**

# Plastic PMMA posts



Description	Type	Article no.
 <p><b>Measuring post modular version Ø 100 mm</b>                      plastic, PMMA-coated                      yellow, flattened top, for 1x indicator sign                      incl. electrical connection board for 2 x 6 pole connectors,                      with <b>rod-type ground anchor</b> and plastic key</p> <p><b>ditto</b> for 2x indicator signs, <b>rod-type ground anchor</b></p> <p><b>ditto</b> for 1x indicator sign, <b>spread feet</b></p> <p><b>ditto</b> for 2x indicator signs, <b>spread feet</b></p> <p><b>Marking post Ø 100 mm</b>                      plastic, PMMA-coated,                      yellow, flattened top, for 1x indicator sign,                      with <b>rod-type ground anchor</b></p> <p><b>ditto</b> for 2x indicator signs, <b>rod-type ground anchor</b></p> <p><b>ditto</b> for 1x indicator sign, <b>spread feet</b></p> <p><b>ditto</b> for 2x indicator signs, <b>spread feet</b></p>	2.0 m	16850
	2.5 m	16858
	3.0 m	16866
	2.0 m	16854
	2.5 m	16862
	3.0 m	16870
	2.0 m	16853
	2.5 m	16861
	3.0 m	16867
	2.0 m	16855
	2.5 m	16863
	3.0 m	16871
	2.0 m	16820
	2.5 m	16828
	3.0 m	16836
2.0 m	16824	
2.5 m	16832	
3.0 m	16840	
2.0 m	16823	
2.5 m	16831	
3.0 m	16837	
2.0 m	16825	
2.5 m	16833	
3.0 m	16841	
 <p><b>Aerial-view plate</b>                      round shape</p>		243105
 <p><b>Aerial-view plate adapter for PMMA posts</b>                      incl. V2A screws</p>		243055
<p><b>Pole connector</b>                      red - 4 mm socket                      black - 4 mm socket                      green - 4 mm socket                      yellow - 4 mm socket</p>	16 ampere	249010
	16 ampere	249011
	16 ampere	249012
	16 ampere	249013
<p><b>Mounting rail for clamp connectors</b></p>	L450/280	249001
	L550/380	249002

# FP measuring and marking posts

## Special designs, Services



### Special designs



**Measuring post for radio transmission**



**Marking post in special colours**

### Services

We offer you the following services on favourable terms:

- backing plate pre-fitted at FP
- empty marker plate pre-fitted at FP
- marker plate fitted at FP and inserts fitted to your specifications
- ditto for two marker plates



**Backing plate mounted ex factory**



**Marker plate fitted at FP**



**Marker plate fitted at FP and inserts fitted to your specifications**