

PRO GHz-LINK SERIES

Series of Parabolic Antennas with Housing for Electronic Equipment for Link Applications in the Microwave Bands



DESCRIPTION:

- ★ Series of completely assembled parabolic antennas with housing for electronic equipment.
- ★ Ideal for fixed links, e.g. video links, data links etc.
- ★ Models available for the 7 GHz, 10 GHz, 14 GHz, 18 GHz, 23 GHz, and 38 GHz microwave bands.
- ★ Choose between a 48 cm and a 70 cm parabolic dish.
- ★ The antenna is carefully sealed with a radome of outdoor quality plastic.
- ★ The antenna is terminated with a coaxial/waveguide transition with SMA (female) connector (inside the equipment housing).
- ★ The housing is provided with N (female) connector for the downlead cable.
- ★ Heavy-duty stainless steel mast mounting bracket integrated on the housing.
- ★ Bracket adjustable in azimuth ($\pm 10^\circ$) as well as elevation ($\pm 26^\circ$).
- ★ For mounting on 50–115 mm mast tubes.



MODEL SURVEY/ORDERING DESIGNATIONS

| DISH SIZE | FREQ. | 7 GHz | 10 GHz | 14 GHz | 18 GHz | 23 GHz | 38 GHz |
|-----------|-------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| | | | 7.125–7.725 GHz | 10.15–10.65 GHz | 14.50–15.35 GHz | 17.70–19.70 GHz | 22.0–23.6 GHz |
| 48 cm | | PRO 7-001HD/TSV50 | PRO 10-001HD/TSV50 | PRO 14-001HD/TSV50 | PRO 18-001HD/TSV50 | PRO 23-001HD/TSV50 | PRO 38-001HD/TSV50 |
| 70 cm | | PRO 7-001HD/TSV70 | PRO 10-001HD/TSV70 | PRO 14-001HD/TSV70 | PRO 18-001HD/TSV70 | PRO 23-001HD/TSV70 | PRO 38-001HD/TSV70 |

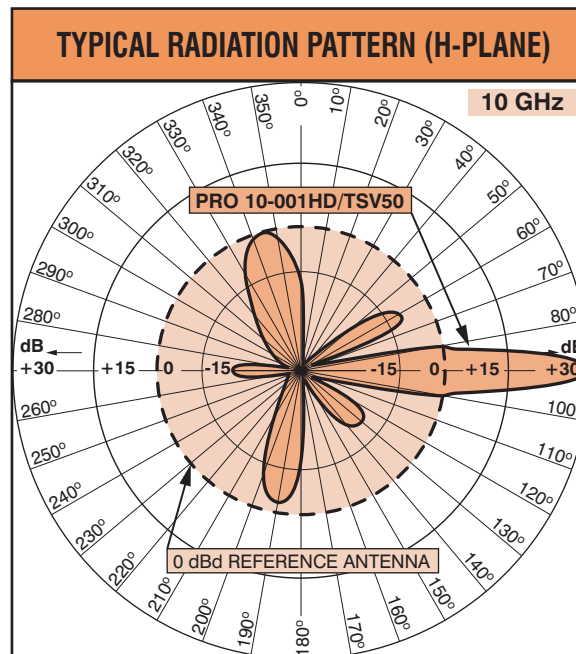
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GENERAL SPECIFICATIONS:

| MODEL | PRO...-001HD/TSV50 | PRO...-001HD/TSV70 |
|---------------------------------|---|-----------------------------|
| ELECTRICAL | | |
| ANTENNA TYPE | Parabolic dish antenna with radome, housing and mounting bracket | |
| IMPEDANCE | Nom. 50 Ω | |
| POLARISATION | Horizontal | |
| SWR | ≤ 1.5 within the band | |
| MAX. POWER | 250 watts | |
| MECHANICAL | | |
| CONNECTION | Antenna: SMA (female) (coaxial/waveguide transition inside housing) Housing: N (female) (for connection of the download cable) | |
| WIND SURFACE | Approx. 0.25 m ² | Approx. 0.38 m ² |
| WIND LOAD | Approx. 316 N @ 160 km/h | Approx. 480 N @ 160 km/h |
| COLOUR | Radome: Light grey Housing, brackets: Grey | |
| MATERIALS | Parabolic dish: Aluminium Waveguide components: Brass and copper Housing: Glass reinforced plastic Brackets: Stainless steel | |
| DIMENSIONS, dish diameter | 480 mm | 700 mm |
| DIMENSIONS, housing (H x W x D) | Outside: 220 x 170 x 150 mm Inside: 190 x 135 x 120 mm | |
| DIMENSIONS, total depth | Approx. 400 mm | Approx. 500 mm |
| WEIGHT | Approx. 15 kg | Approx. 17 kg |
| MOUNTING | Mast mounting with supplied bracket on 50–115 mm mast tube | |



FREQUENCY DEPENDENT SPECIFICATIONS:

| MODE | PRO 7-001HD/... | PRO 10-001HD/... | PRO 14-001HD/... | PRO 18-001HD/... | PRO 23-001HD/... | PRO 38-001HD/... |
|-----------------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| FREQUENCY | 7.125–7.725 GHz | 10.15–10.65 GHz | 14.50–15.35 GHz | 17.70–19.70 GHz | 22.0–23.6 GHz | 37.0–39.5 GHz |
| APPROXIMATE GAIN, .../TSV50 | 24 dBd 26 dBi | 27 dBd 29 dBi | 30 dBd 32 dBi | 32 dBd 34 dBi | 34 dBd 36 dBi | 38 dBd 40 dBi |
| APPROXIMATE GAIN, .../TSV70 | 27 dBd 29 dBi | 30 dBd 32 dBi | 33 dBd 35 dBi | 35 dBd 37 dBi | 37 dBd 39 dBi | 41 dBd 43 dBi |

PROCOM A/S reserve the right to amend specifications without prior notice.