



0.55m Manual Manpack Terminal

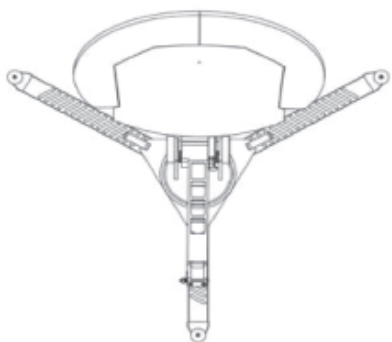
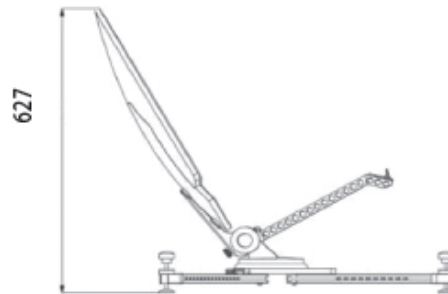
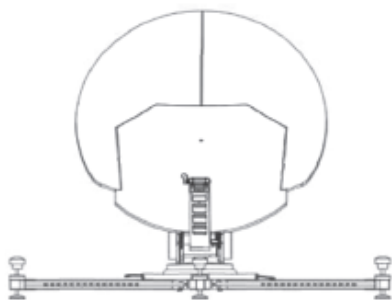
The series of 0.55m Manual Manpack Terminal is an intelligent integrated design for portable satellite communications equipment. The modular architecture and easy-to-connect components allow a complete system to be assembled in minutes. The system can be upgraded to ka band with Ku and ka band kits on site and is suitable for oil and gas exploration, military communications, disaster management, emergency communications, etc.

Peculiarities

- Compact, lightweight and easy to carry
- High performance carbon fiber reflector Available in single panel or multi panel
- 3 minute setup
- Exchangeable Feeder Ku / Ka
- Heavy duty power arm capable of supporting transceiver



OUTLINE DRAWING(All dimensions in mm)



Notes: This product can be customized according to the actual needs of the user



MAIN SPECIFICATIONS

Наименование	Ku (MDO550LKA)	Ka (MDO550CKA)
Электрическая характеристика		
Размер антенны	0.55m	
Тип антенны	Офсетная параболическая	
Материал отражателя	Углеродное волокно	
Частота	Rx: 10.95~12.75Ghz Tx: 13.75~14.50Ghz	Rx: 18.20~20.20Ghz Tx: 28.10~30.00Ghz
Поляризация	Linear	Circular
Усиление	Rx: 34.6 dBi Tx: 36.2 dBi	Rx: 38.8 dBi Tx: 42.4 dBi
KCB(VSWR)	Rx: $\leq 1.5:1$ Tx: $\leq 1.3:1$	
Кросс поляризация(XPIC)	≥ 30.0 dB (on axis)	N/A
Кэффициент эллиптичности	N/A	≤ 1.3 dB
Вторичный лепесток	-14 dB (first sidelobe)	
Интерфейс терминала эксплуатации и ТО	WR75	Rx: WR42 Tx: WR28
Механические характеристики		
Азимутальный диапазон	$-100^\circ \sim 100^\circ$	
Диапазон высот	$10^\circ \sim 90^\circ$	
Диапазон поляризации	$\pm 90^\circ$ (Manual)	0° or 180° (Manual)
Время развертывания	≤ 3 min	
Вес	≤ 5.8 kg	
Размер	550mm x 380mm x 250mm	
Экологические показатели		
Рабочая температура	$-25^\circ\text{C} \sim 55^\circ\text{C}$	
Температура хранения	$-40^\circ\text{C} \sim 75^\circ\text{C}$	
Скорость ветра	Operational: ≤ 14 m/s Survival: ≤ 18 m/s	
Ливень	Operational: ≤ 120 mm/h Survival: ≤ 230 mm/h	
Влажность	5 ~ 95%	