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Product Name :

Radio Manpack Kit

Product Code :

SLE/CME/07



Science Lab
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Description :

Radio Manpack Kit (Product Code: SLE/CME/07) is a portable HF radio used to keep fieldteams on foot in voice and short-message contact with their base over long distances wherethere is no mobile network. Relief and project teams carry it for its 25 W PEP output on 1.6–30MHz, 400 channels and integrated automatic tuner in an ultra-light, ruggedised and immersibleset. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, alaboratory equipment supplier in India with a field communication range.

Specifications

Parameter	Detail
Frequency range	1.6–30 MHz (receive 250 kHz–30 MHz)
Channels	400
Output power	25 W (PEP)
Power supply	12 V DC
Modes	USB / LSB / AM
Antenna tuning	Integrated automatic tuner
Construction	Ultra-light weight; fully ruggedised and immersible
Calling functions	Selective call, group call, emergency call, phone call, message call (64 characters)
Link establishment	Integrated ALE (CALM)
Positioning	GPS enabled
Diagnostics and testing	Local and remote diagnostics; channel test calling
Product code	SLE/CME/07
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Radio Manpack Kit Used For?

A manpack HF radio lets a small team stay in touch with a base station, vehicles or other teams while it moves through areas that have no mobile coverage. Signals on 1.6–30 MHz can travel well beyond line of sight, which is why HF remains the usual choice for long-range field links. The USB, LSB and AM modes cover the common HF voice modes, and the wider 250 kHz–30 MHz receive range lets operators listen outside the transmit band.

Integrated ALE (CALM) sets up a link on a working channel automatically, so operators do not have to search channels by hand. Selective, group and emergency calls reach the right people, while message calls carry short texts of up to 64 characters. Before each deployment, run the local diagnostics and a channel test call from every set.

Wha