

SMA Antenna Extension Kit SAEK1A

A high quality lightweight carbon fibre antenna extender for the DSSM1x Dynamic Signal Strength Meter range.

The SAEK1A is a 1.5m total length antenna extender kit comprising 1 x 50cm carbon fibre boom, 1 x 100cm RF cable and 1 x SMA antenna, designed and selected specifically for use with the DSSM1x range of detectors.

The boom is constructed from high quality lightweight materials with wear-resistant stainless steel SMA connectors at each end and low-loss internal RF cabling.

The cable included with the kit is a stock item (Radiall P/N R284C0351054). It is made with high quality connectors and flexible RG316 cable, perfectly suited for use with the DSSM1x range of detectors. ¹

Note. The Radiall cable is considered to be a consumable, but is easily obtained from a number of suppliers.

The antenna included with the kit is a low-cost 2.4GHz antenna, the same as is supplied with the DSSM1x. Its inclusion in the kit will speed up the process of switching between using the DSSM1x by itself and with the antenna extender and reduce connector wear.

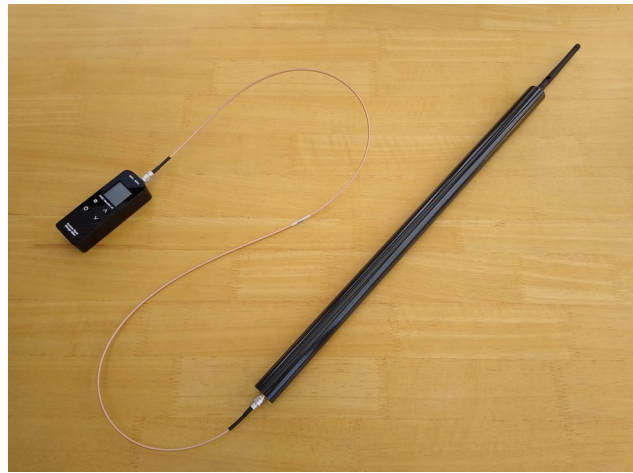
To summarise, the SAEK1A complements the DSSM1x and enables near-field sensing in close proximity to out of the way places without the need for step ladders etc.

Features

- ◆ Lightweight Design
- ◆ Broadband Response 3MHz-6GHz
- ◆ Long-Life Stainless Steel Connectors
- ◆ Low Cost user replaceable cable

Applications

- ◆ RF Engineering
- ◆ Signal Analysis



Note. DSSM1x signal meter is not included



Specifications

| Parameter | Min | Typ | Max | Units |
|-----------------------------------|------|-----|------|-------|
| Frequency Range ¹ | 3MHz | | 6GHz | |
| Total RF Loss (1GHz) ² | | 3 | | dB |
| Total RF Loss (6GHz) ² | | 5 | | dB |
| RF Boom Length | | 50 | | cm |
| RF Cable Length | | 100 | | cm |
| RF Boom Diameter | | 25 | | mm |

Note. Specifications are subject to change without notice.

1. Cable is specified to 3GHz by the manufacturer but is perfectly useable to 6GHz and beyond in this application.

2. Total RF Loss includes RF cable as well as RF boom.