

MTP 5-H



MTP 5-H uses a uniquely designed microwave receiver with 3° view angle, which is highly sensitive to atmospheric ‘black-body’ radiation at 5 mm wavelength (60 GHz frequency). MTP 5 emits no radiation, does not require any operating licences and is quick and simple to set up. The rotating scanner has a Teflon™ cover and the only regular maintenance is to periodically clean it.

The instrument is typically mounted on the roof of a building and connected to a PC running the operating software. This stores the data, calculates the temperature profiles, and displays the results graphically every 5 minutes. The temperature is shown at 50 m intervals up to a height of 600 m.

MTP 5-H is unique. It requires no specialist knowledge to operate, self-calibrates and produces the temperature profiles automatically, in all conditions and in real time. It is ideal for use in urban environments and at airports.

Specifications

Altitude range	0 - 600 m
Altitude resolution	50 m
Displayed height interval	50 m
Temperature accuracy, adiabatic	± 0.2 °C
Temperature accuracy, inversion	± 0.5 °C
Measurement interval, minimum	3 minutes
Central measurement frequency	59.6 GHz
Field of view	3 °
Operating temperature range	-40 °C to +50 °C
Self-calibration	Automatic before each measurement
Environmental effects	No effect from rain, fog or snow
MTP 5 supply	12 VDC, 120 W max.
AC-DC power supply unit (included)	115/230 VAC, 2A/1A, 50/60 Hz
Communication	RS 232 to PC (not included) running operating software
Software, Windows™	Operation of MTP 5, data storage and analysis, graphical display

Article

Part number

MTP 5-H standard version, 0 - 600 m

3309002

Distribution

MTP 5 is designed and produced by **SKB ATTEX Ltd** of Moscow and is distributed exclusively by Kipp & Zonen worldwide (with the exception of Russia and the CIS)

Accessories for MTP 5-H

Part number

Heat Shield

For MTP 5-H in direct sunlight in hot climates

0015963

Tripod Floor Stand

For MTP 5-H, height 45 cm (needs adapter kit)

0353710

Height Extension Tube

Extends height by 60 cm (needs adapter kit)

0353750

Tripod Adaptor Plate Kit

To fit MTP 5-H to tripod stand or height extension tube

0353760