

# BIOMETRIC DATA

## (APPENDIX III)

All measurements are given in millimetres. *Wing* is the distance from the bend of the flattened wing to the tip of the longest remex; *Tail* is the distance from the tip of the longest rectrix to the base of the undertail-coverts against the body; *Tarsus* is the distance from the back of the "knee" to the distal edge of the last complete scutum before the toes; *Culmen* is the distance from the tip of the bill to the skull (sometimes measured to the base of the feathers on the upper mandible); *Hind-claw* is the distance from the tip to the base of the hind-claw. Note that different sources may use slightly different measuring techniques (which partly explains some of the discrepancies in the data). The table below gives the *range* (i.e. the minimum and maximum values) across all reference sources. Where only a single value is available, a '?' is given as a second value. This is not to say that the given numeric value is necessarily a lower limit. If no values are available, a '-' symbol is used. Values that seem dubious are given in brackets. Each measurement range is provided for the *species* as a whole (male and female combined) and separately for each sex.

	Wing	Tail	Tarsus	Culmen	Hind-claw	Mass
<b>SHORT-TAILED PIPIT</b>						
Species	62-68	39-41	16-17.5	10-11.5	5-7	13.5-17.2
Male	65-68	—	—	—	—	15.5-16.7
Female	62.5-64	—	—	—	—	13.5-17.2
<b>BUSHVELD PIPIT</b>						
Species	68-78	44-56.5	16-19	10-16	5-8	13.5-17.2
Male	72-78	47-53	17-19	15-?	—	17.5-?
Female	68-75	44-53	17-19	14-16	—	17.2-18
<b>TREE PIPIT</b>						
Species	82-91.5	53-64	20-23	12.5-17	6.3-10	15-(39)
Male	83-90	56-63	20.1-23	14.5-17	6.3-8.5	—
Female	82-89	53-60	20.3-23	14.3-17	6.6-8.4	—
<b>RED-THROATED PIPIT</b>						
Species	75-91	50-70	19.3-23	10-16	7.8-13	16.4-29.3
Male	82-91.5	54-63	19.3-22.1	13.6-16	9.5-12.3	—
Female	79-86	50-60	19.7-22.4	13-16	7.8-12.4	—
<b>AFRICAN PIPIT</b>						
Species	82-95	58-70	23-28.5	12.5-18	10-13	21-28.5
Male	85-95	61-64	26-28	16-18	—	22-27.5
Female	82-90	58-60	25-26	16-18	—	22.5-28.5
<b>MOUNTAIN PIPIT</b>						
Species	88-98	61-72	28-30	16-19	9-14	23.5-31
Male	93-98	63-72	28-30	17.5-19	—	23.5-28
Female	88-92	61-67	28-?	16-19	—	26-27.7