

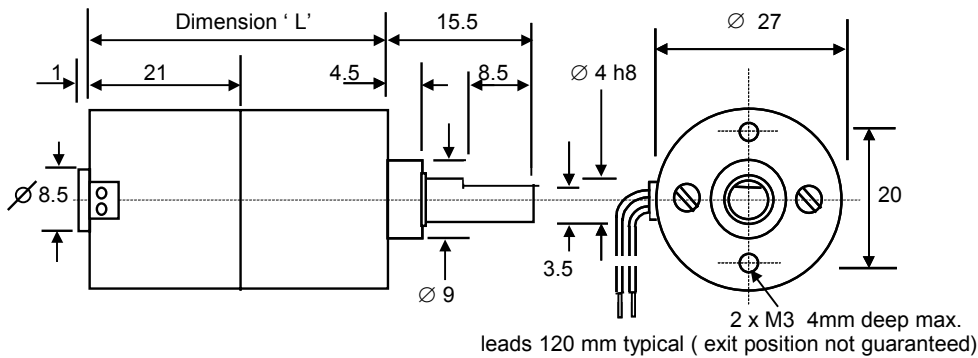
# Geared DC Instrument Motor

This series of geared instrument dc motors are ideally suited to a wide range of applications requiring a combination of low speed operation and small unit size. The integral iron core dc motor provides smooth operation and a bi-directional variable speed capability while the gearhead utilises a multi-stage metal spur gear train rated for a working torque up to 0.2 Nm.

The unit, which is suitable for mounting in any attitude, provides reliable operation over a wide ambient temperature range and is equipped with an integral VDR ( voltage dependant resistor ) electrical suppression system to minimise electrical interference.



## Dimensions: mm



## Specification

Part Number	Length 'L' ( mm )	Gear ratio	Nominal Voltage ( Vdc )	No-Load speed ( rpm )	Rated Speed ( rpm )	Rated Torque ( Ncm )	Rated Current ( mA )	Mass ( grams )
<b>399-9919</b>	36	21:1	12	125	80	2.5	50	55
<b>399-9920</b>	41	43:1	12	60	40	3.8	50	57
<b>399-9932</b>	41	90:1	12	30	18	8.0	50	58
<b>400-0961</b>	46	188:1	12	14	9	14.0	50	59

Max No Load Current:: 20 mA  
 Max Radial shaft load: 10N  
 Max Axial shaft load : 5 N  
 Ambient temperature range: -20 to +60 deg.C