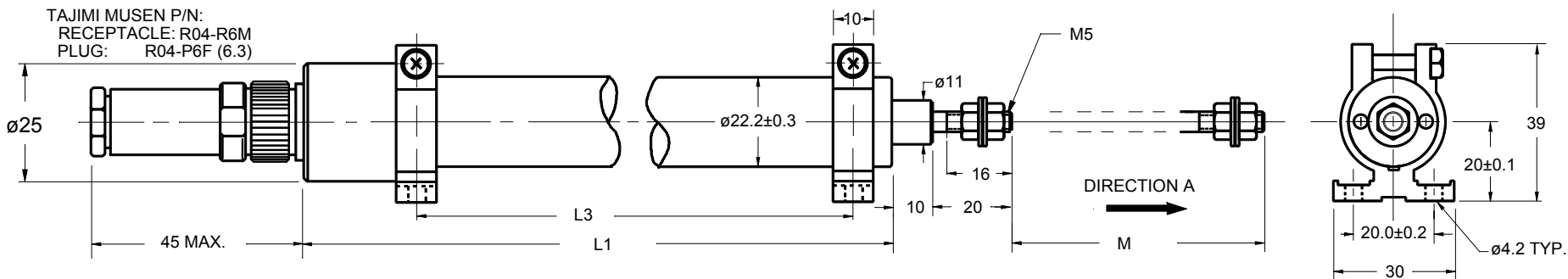


**GENERAL DESCRIPTION:**

MODEL LP-xxxF-15 IS A WATERPROOF, CONDUCTIVE PLASTIC, LINEAR MOTION POTENTIOMETER DESIGNED TO WITHSTAND OPERATIONS IN HARSH INDUSTRIAL OPERATING CONDITIONS SUCH AS IN PAPER MILL, STEEL MILL, MACHINESHOP, AS WELL AS IN FARMING AND CONSTRUCTION EQUIPMENT.

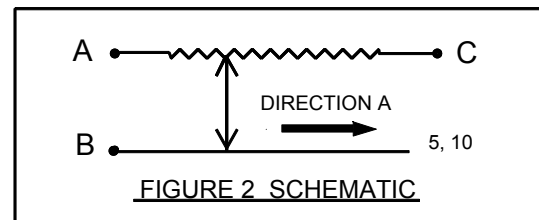
C.O.N	SYM	DESCRIPTION	DATE	DRAWN	APPR'D
	A	1) TOLERANCE FOR MECHANICAL STROKE WAS ±1. mm.	02/05/03	T.TSUGAWA	
	B	1) RESISTANCE VALUE, 0.5k, 20k, 30k REMOVED, 20K WAS STD. 2) WAS -40°C to +125°C (3) *SEAL COMPLIANCE: IP54 *ADDED.	08/10/03	T.TSUGAWA	



**FIGURE 1 OUTLINE DIMENSION**

**SPECIFICATIONS**

MODEL NO.:	LP-100F-15	LP-150F-15	LP-200F-15	LP-250F-15
ELECTRICAL STROKE :	100 mm	150 mm	200 mm	250 mm
MECH. STROKE ( M ): <sup>(A1)</sup>	103 ±2 mm	153 ±2 mm	203 ±2 mm	253 ±2 mm
<sup>(B)</sup> RESISTANCE in KOHMS (±20%):	1, 2, 5, 10	1, 2, 5, 10	1, 2, 5, 10 (20 AVAILABLE)	1, 2, 5, 10 (20 AVAILABLE)
POWER RATING:	2.5 W @ 70°C	3 W @ 70°C	4 W @ 70°C	4 W @ 70°C
HOUSING LENGTH ( L1 ):	152 ±1 mm	202 ±1 mm	252 ±1 mm	302 ±1 mm
MTG HOLES SPACING ( L3 ):	118 ±1 mm	168 ±1 mm	218 ±1 mm	268 ±1 mm
INDEPENDENT LINEARITY:	±0.3% (±0.1% AVAILABLE)	±0.3% (±0.1% AVAILABLE)	±0.3% (±0.1% AVAILABLE)	±0.3% (±0.1% AVAILABLE)



**FIGURE 2 SCHEMATIC**

OUTPUT SMOOTHNESS: 0.1% MAX.  
 INSULATION RESISTANCE: 100 meg OHMS MIN. @ 500 Vdc  
 DIELECTRIC STRENGTH: 500 Vrms @ 50/60 Hz for 1 MINUTE  
 OPERATING TEMPERATURE: <sup>(B2)</sup> -40°C to +80°C  
 TEMPERATURE COEFFICIENT: ±400 ppm/°C MAX.  
 FRICTION: 400 gf MAX.  
<sup>(B3)</sup> SEAL COMPLIANCE: IP54

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN mm(in).  TOLERANCES: ANGLES: ±1.5° <10 mm: ±0.25 <100 mm: ±0.5 >100 mm: ±1	DRAWN T. TSUGAWA	DATE 08/12/98	SPECIFICATION DWG FOR MODEL LP-xxxF-15 LINEAR POTENTIOMETER WATERPROOFED	Precision Sales 610-359-1002 F: 610-353-1674	
	CHECKED	DATE		B-MAC-B25	B
	APPROVED	DATE			
	APPROVED	DATE		1 OF 1	
SCALE:	FILE: LP-xxxF-15				