



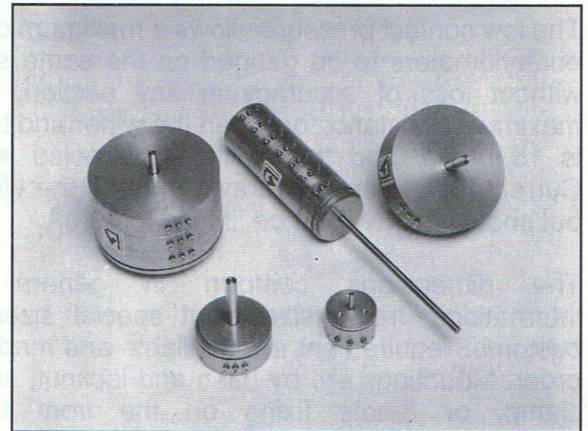
WIRE WOUND POTENTIOMETERS

PRECISION STANDARDS – TYPE QR and QS

These potentiometers have been value Engineered to give high performance at low cost. The construction is an aluminium housing with a stainless steel shaft and gold plated terminals. The power rating is quoted for 40°C, and derated linearly to zero at 125°C. The insulation is tested for isolation at 500V RMS between shaft and track.

Variations of this standard range are available including tropicalised or sealed units, and motor driven potentiometers fitted with reduction gears or slipping clutches.

The dimensions conform in general to international frame sizes, but special sizes to customer requirement are available and made to order. Mountings are by bush and locknut, servo clamp, or 3-hole fixing on the front face. Mechanical rotation is continuous, but mechanical stops can be provided on request.



TYPE	QR/QS08	QR/QS11	QR/QS15	QR/QS18	QR/QS23
Watts at 40°C	1.5	2.0	2.5	3.5	4.0
Resistance range	100–25K	100–30K	100–50K	100–80K	100–100K
Linearity up to 5K	0.5	0.5	0.3	0.3	0.3
Linearity over 5K	0.5	0.5	0.3	0.3	0.3
Electrical angle	354	354	354	354	356
Max. No. of taps	6	11	15	21	24
Starting torque gcm	4.0	4.0	4.0	4.0	5.0
Max. No. of gangs	6	6	6	8	10
Length inch(mm)	0.730(19)	0.730(19)	0.730(19)	0.730(19)	0.802(21)
Body dia inch(mm)	0.750(19)	1.06(27)	1.44(37)	1.75(45)	2.25(58)
Shaft dia. inches	0.1250	0.1250	0.1875	0.2500	0.2500
Wt. per gang (gm)	20	24	28	37	95
Addn length / gang	0.691(18)	0.660(17)	0.660(17)	0.660(17)	0.660(17)
Spigot dia. inches	0.499	0.975	1.312	1.562	2.00

Independent linearity quoted in \pm percent.

Starting torque for type QR is 24 gcm.