



Dials, Encoders, Pots, & Rheostats Honeywell

316 Series Scale Digital Readout Dials

- 10 Turns
- Positive brake lever
- Easy-to-read large numerals
- Convenient digital window

High quality 316 Series has a diameter of $\frac{7}{8}$ " and is available in clear anodized metal with black numerals or black anodized metal with white numerals. Accepts $\frac{1}{4}$ " dia. shaft. Minimum backlash.



Mfr.'s Type	Description	1-4	5-9	10-49
316-11	Clear anodized	18.88	17.81	16.64
316-12	Black anodized	26.89	25.36	23.71

Commercial 10-Turn Calibrated Scale Dials



- Accurate readings
- Zero backlash
- Brake lever option

Fits up to a 10-turn potentiometer and other rotary devices. Mounts on 1" centers. Knob attaches directly to shaft; body of dial mounts rigidly to panel. **Mounting requirements:** $\frac{1}{4}$ " diameter shaft, $\frac{1}{8}$ " 32-NEF-2/A bushing. Available with black or clear anodized housing.

Mfr.'s Type	Description	1-4	5-9	10-49
411	Black, w/o brake lever	28.27	26.67	24.93
412	Black, w/brake lever	29.86	28.17	26.33
461	Clear, w/o brake lever	28.27	26.67	24.93
462	Clear, w/brake lever	29.86	28.17	26.33

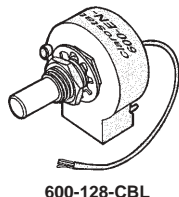
Digital Read-Out Dials For Multi-Turn Potentiometers

Type DR-300: The left digit indicates the number of complete revolutions of the turning knob and the right two digits indicate the percent of a revolution. The unit registers a total count of 999. **DR-400:** The left two digits indicate the number of complete revolutions of the turning knob and the right two digits indicate the percent of a revolution. The unit registers a total count of 9999. Satin chrome finish body, matte black .175" long x 1" wide, break lever, accepts $\frac{1}{4}$ " diameter shaft.



Mfr.'s Type	Description	1-49	50-Up
DR 300	3 digit, 10 turns	38.03	32.82
DR 400	4 digit, 100 turns	49.20	42.41

600 Series Optical Rotary Encoders



600-128-CBL

600 Series controls are manually operated, rotary optical encoders that output two square waves in quadrature at a rate of 128 pulses per channel per revolution. Outputs are TTL compatible. **Type 600-128-CBL** 4 lead ribbon cable, color coded, .050" centers, 28 AWG; **Type 600-128-CN1** has a connector on the end of 7 $\frac{1}{2}$ " long cable. **Operating temperature range:** -40°C to +65°C.

Mfr.'s Type	Description	1-9	10-49	50-99
600 EN-128-CBL	7 $\frac{1}{2}$ " Cable with leads	46.14	38.77	30.77
600 EN-128-CN1	7 $\frac{1}{2}$ " Cable with connector	58.51	49.08	38.96

73J Series 10-Turn Wirewound Precision Pots

- 2 watt
- Wirewound
- 10 turns
- +5% tolerance



Power Rating: 2-watts @ 70°C. **Tolerance:** $\pm 5\%$. **Linearity:** $\pm 25\%$. **Working Voltage:** 500 VDC max. **Electrical and Mechanical Rotation:** 3600° + 10°-0°. **Bushing:** $\frac{7}{8}$ " L X $\frac{1}{8}$ " Dia. **Operating Torque:** .5 oz. in. minimum. **Shaft:** JA = $\frac{1}{8}$ " FMS, screwdriver-slotted, stainless steel. JB = $\frac{1}{8}$ " FMS, screwdriver-slotted, black, glass-filled nylon.

Mfr.'s Type	Resistance (ohms)	1-9	10-49	50-99
73JA-100	100			
73JA-200	200			
73JA-500	500†			
73JA-1K	1K	18.85	15.74	14.06
73JA-2K	2K			
73JA-5K	5K			
73JA-10K	10K			
73JA-20K	20K			
73JA-25K	25K	22.92	19.43	17.35
73JA-50K	50K			
73JA-100K	100K	24.07	20.40	18.21
73JB-100	100			13.37
73JB-200	200			
73JB-500	500†			
73JB-1K	1K	17.68	14.97	
73JB-2K	2K			
73JB-5K	5K			
73JB-10K	10K			
73JB-20K	20K			
73JB-25K	25K	18.06	15.31	13.66
73JB-50K	50K			
73JB-100K	100K	20.40	17.29	15.44

† Available by special order only.

CR Series Rheostats

Features

- Vitreous enamel bonds core and base
- High strength ceramic hub
- Windings secured to prevent shifting
- Wiper tracks are buffed to assure smooth rotation and uniform contact
- Three terminals for potentiometer applications



Series CR12.5

Mounts to panels up to $\frac{1}{4}$ " thick with $\frac{1}{8}$ "-32 bushing and hex nut. Locking pin requires $\frac{1}{8}$ " dia. hole, $\frac{1}{4}$ " below shaft center. **Shaft:** $\frac{1}{8}$ " dia. round x $\frac{3}{8}$ " long (beyond bushing).

Series CR25, CR50

Mounts to panels up to $\frac{1}{4}$ " thick with $\frac{1}{8}$ "-32 bushing and hex nut. Locking pin requires .188" hole, $\frac{1}{4}$ " below shaft center. **Shaft:** $\frac{1}{8}$ " dia. flatted x $\frac{1}{2}$ " long (beyond bushing).

CR Series Stock Values

Mfr.'s Type	Resistance (ohms)
CR-12.5	15, 25, 50, 75, 100, 250, 1500
CR-25	3, 10, 25, 50, 100, 250, 500, 1 K, 5 K, 10 K
CR-50	50, 500, 1 K

The CR Series of Rheostats is ideal for use over long periods of time. The series is made in accordance to MIL-R-22. The 25 and 50 watt models are UL approved for 300 volts. **Please specify ohms value when ordering.**

Mfr.'s Type	Watts	Ohms	Each
CR-12.5	12.5	15-250	21.47
CR-12.5	12.5	1500	21.47
CR-25	25	3-6	24.32
CR-25	25	10-500	24.32
CR-25	25	1K-5K	24.32
CR-25	25	10K	24.32
CR-50	50	50-500	30.02
CR-50	50	1K	30.02



Carlton-Bates Company is a full line Clarostat distributor.
Consult us for complete information on products not shown in this catalog.