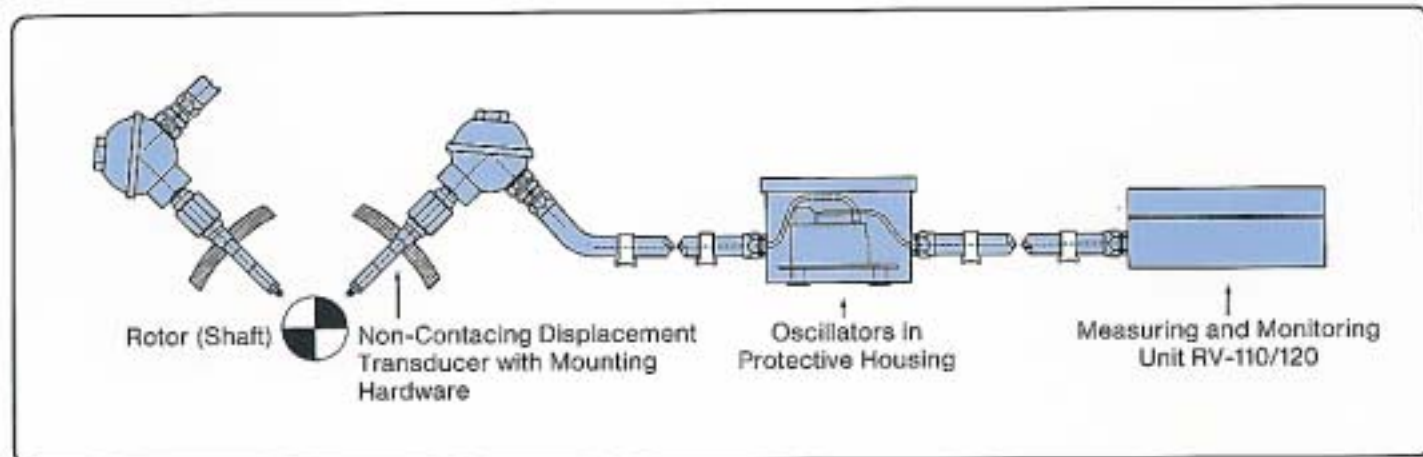


Fig 14: VIBROCONTROL RV-110 with displacement transducers, oscillator (in protective housing) and analog meter



Fig 15: The components of VIBROCONTROL 1000, Series R



Technical Data

Measuring/ Monitoring Unit

Electronic	RV-110 RV-116	RV-120 RV-126
Measured Parameter Dual channel operation (X,Y) Single channel operation (X)	Displacement $r_{s,max}$ according to VDI 2059 s_p	Displacement Max (X,Y) according to API 670 s_{pp}
Input Signal	2 (X and Y), non-contacting displacement transducers of the SD-... and IN-... Series	
Frequency Range	2 ... 5000 Hz (-3 dB)	
Measuring Range	0 ... 20/50/100/200/ 500 μm	0 ... 75/125/250/400/ 500 μm
Analog Output	0/4 ... 20 mA and 0 ... 10 V working resistance $\leq 500 \Omega$ / - Load resistance $\geq 100 \text{ k}\Omega$	
Limits Adjustment range	2 10 ... 100 % of measuring range	
Response Delay Limit 1 Limit 2	0.03/1/3/10 s 0.03/1/3/10 s	
Limit Relays Contact rating	2 (single pole) AC 400 VA/250 V DC 10 ... 100 W	
Self-Monitoring¹⁾	yes	
Supply voltage RV-110, RV-120 RV-116, RV-126	AC Voltage: 230/115 V (+10 ... -15%) 50/60 Hz DC Voltage: 24 V (15 ... 40 V)	
Operating Conditions	Operating temperature range -30 ... + 65°C Storage temperature range -40 ... +100°C Relative humidity max. 95%, non condensing	
Housing Construction	Sturdy aluminum housing meeting IP 65, painted RAL 7032, with cable feed-through fittings	
Weight	ca. 4.5 kg	

¹⁾ Self-Monitoring: A separate, normally energized "OK-Relay" monitors transducer gap voltage, cable, and power supply for possible faults.

Dimensions

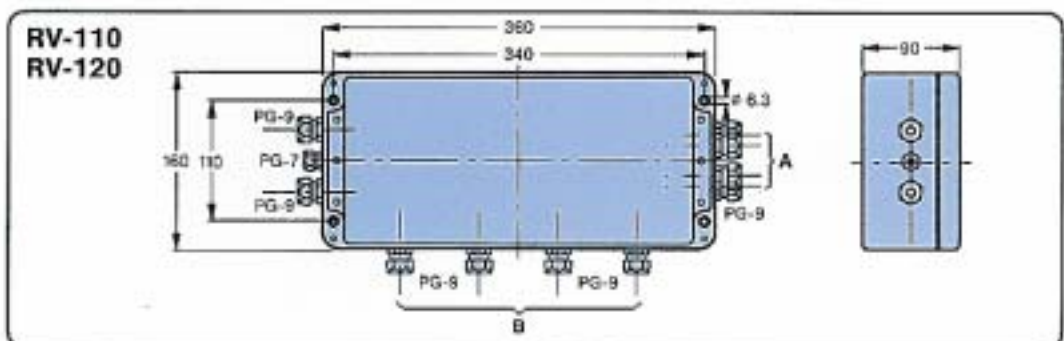


Fig 16:
A: Types RV-110, 116
B: Types RV-120, 126

