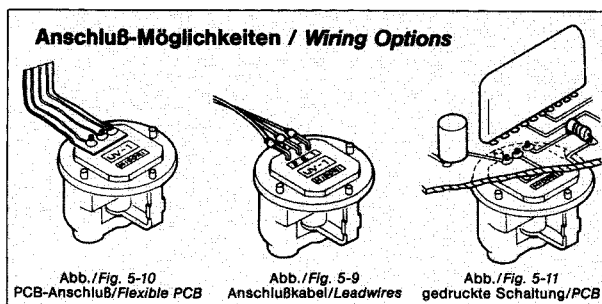
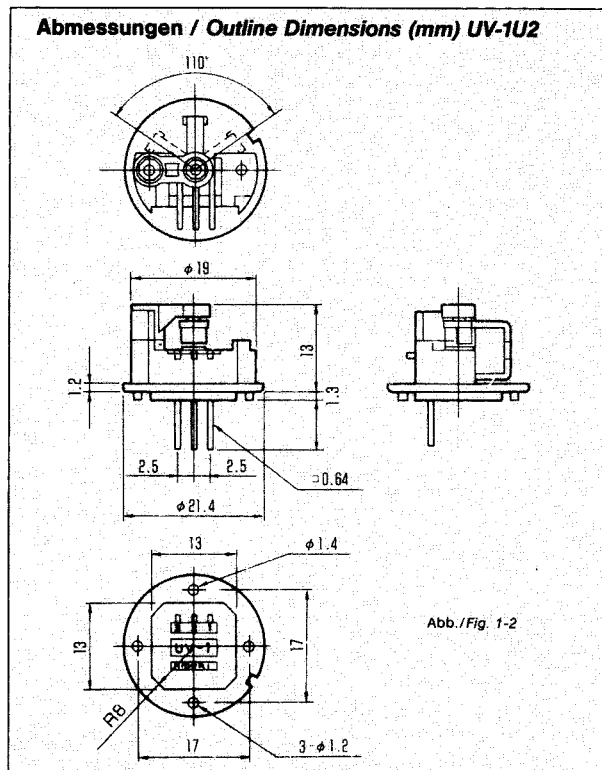
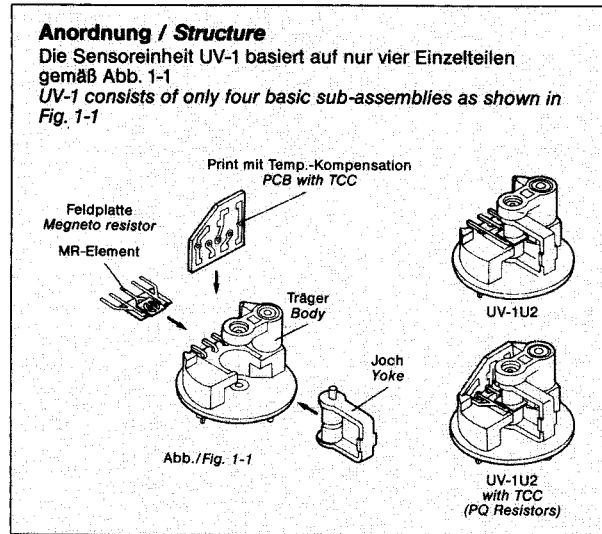


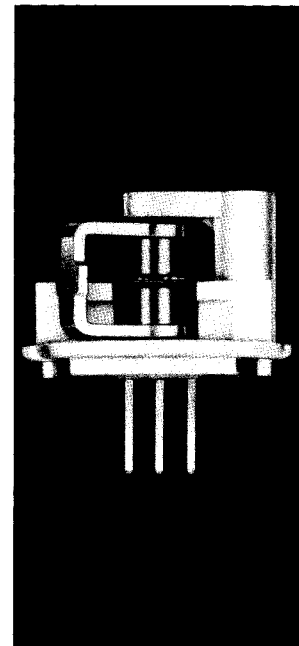
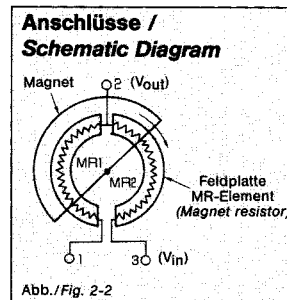
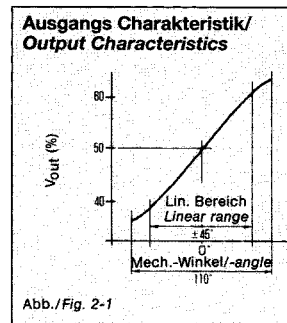
Konstruktion und Anordnung UV-1U2 Design Structure



Spezifikationen / Specifications

Parameter / Performance Parameters

Elektrischer Winkel Electrical Angle	$\pm 45^\circ$ (90°)
Ausgangsspannung (min.) Output Sensitivity	2.5 W Vin/10°
Unabhängige Linearität max. Independent Lin.	$< \pm 1.5\%$ FS (FS = 90°)
Eingangsimpedanz Input Impedance	15 k Ω \pm 30 %
Eingangsspannung (max.) Input Voltage	10V DC
Isolationswiderstand min. Insulation resistance	100 M Ω at DC 500 V
Prüfspannung Dielectric Strength	100 V AC r.m.s.
Mechanischer Winkel Mech. Angle	110°
Drehmoment / Torque UV-1U2 (m) Sinterlager / Metalbearing UV-1U2 (b) Kugellager / Ballbearing	2.5 gcm max. 0.5 gcm max.
Gewicht ca. Weight approx.	3.5 g
Betriebstemperatur Operating Temp.	-30° C...+125° C
Lager Temperatur Storage Temperatur	-30° C...+125° C



Umweltbedingungen / Environmental

Die Sensoreinheit Typ UV-1 hat mit Erfolg folgende schwere Testbedingungen bestanden:

UV-1 design has performed well under heavy duty testing as follows:

Hochtemp. Beanspruchung / High Temperature Operation

: MIL-STD-202F 108A 100° C, 1000h, 10 V

Thermischer Schock / Thermal Shock

: MIL-STD-202F 107C-65°C to +100° C, 100 Zyklen/cycles.

Feuchtigkeit / Humidity

: MIL-STD-202F 106E 10 Zyklen/cycles.

Vibration / Vibration

: MIL-STD-2020F 204D Test Kond. D, 20 g.

Schock / Shock

: MIL-STD-202F 213B Test Kond. C, 100 g.