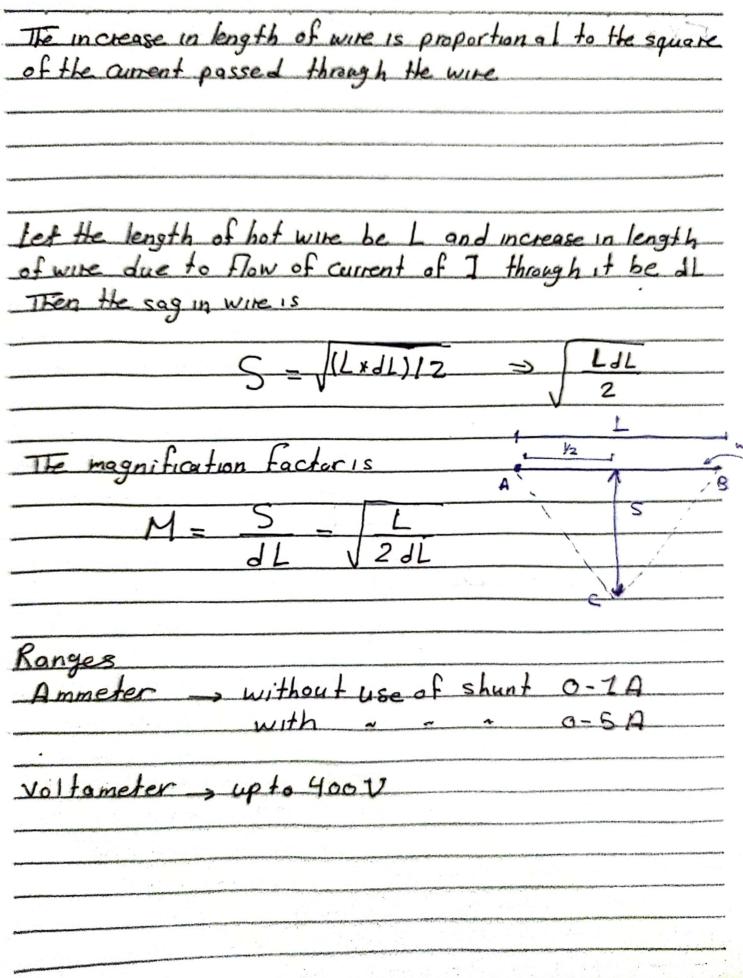
	and the latest designation in the latest des
- Electro-Thermal and Rechfier-type instruments	
1) Flectro Thermal Instruments	noine con (C)
These instruments are free from errors due to frequency, wave-f	oΥn
and external magnetic fields when used on ac and so can be us	
For measurements of current at extermely high Frequencies	
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	4.
a) Hot wire instruments	
g) Hot wire instruments	
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Pointer	
boste wine spring	
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Meter Terminals	
pivot (fixed)	
Hot wire	M
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Hot wire instruments Consists of phosphor branze alloy wire.	***
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The principle of working of these instruments depends upon the increase in length of wire due to heating effect when the	-
the increase in length of wire due to heating effect when the	page of the last o
Current is possed through the wire.	-
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(B) Thermo - Couple Instruments.	ungan manaka asar maga matat dinastrin gami mendulakan ng penterinat inansi perior manakan asa Periodi matalah manakan dinastrin terbah mendulah dinastrin dinastrin dinastrin mendulah
The action depends upon the principle that und measurement is passed through a Fine w	when the current the resistor or heate
The heat generated init transferred to a thereto an indicating device, initially a sensitive	mo-Junction Ennected PMMC Instrument
An Emf Known as thermo-emf, is developed. The indicating device.	and indicated on
The essential Components of a thermocouple (i) The heater element. (ii) Athermo element having its hot Junction with the heater element and its Cold Junction	and a final and a second control of the second and a final and a f
iii) a sensitive permanent magnet moving Con deflection results from the E.m.f develope	I instrument whose d by the thermo-Couple

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Rectifien-type inst	ruments
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Full wave rectifier circuit	ipe of instrument usu
full wave rectifier circuit	, 1
If this instrument is used for measuring irst the ac signal is an verted to fill the rectifier.	Acquantity then
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Then this dc signal is measured	by the PMMC meter
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These types of instruments are used work where the voltage is low and resis	for light curent
work where the voltage is law and mesis	tana high
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Half wave and full wave Nectifier	CITCUIT
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and the deflection is 0,45 s dc of equal magnitude V	Times That produces with
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Te deflection is 0,9 times in a	ed with de of equal magnito
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