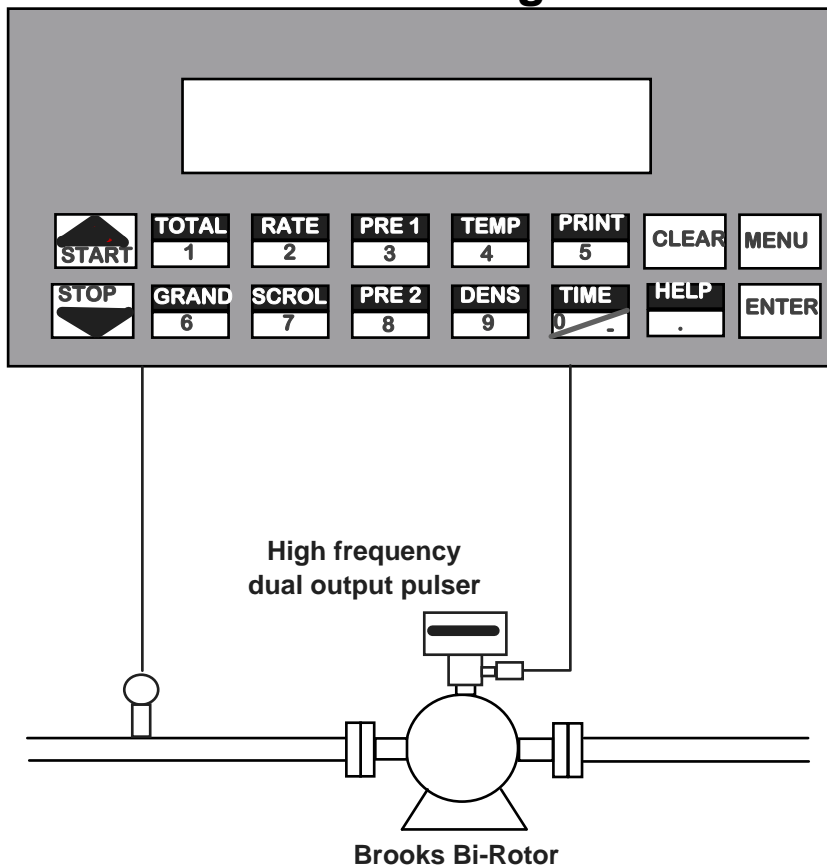




Kessler-Ellis Application Note F030

SUPERtrol I Displaying Temperature Compensated Rate and Total in a Petroleum Transfer Application with a Brooks B-80CB BiRotor™ Meter with High Frequency Dual Output Pulser and Large Dial Register



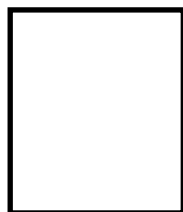
The SUPERtrol I accepts quadrature inputs and has the ability to perform in custody transfer applications. SUPERtrol I can provide a temperature compensated measurement and uses an internal register to keep an audit trail of instrument set up changes.

The SUPERtrol I has inbuilt printing and logging functions. It can print data to a serial printer or be interrogated via a dial up modem connection.

A Windows™ based setup program is supplied with the instrument.

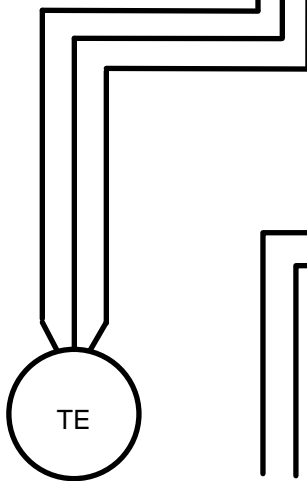
Application Terminal Connections

Brooks dual output high frequency pulse generator



The index pulse output (yellow wire) is not used in this application

Temperature input



110 vac

1	DC OUTPUT		
2	PULSE IN 1	Vin +	FLOW IN
3	PULSE IN 2	lin +	
4	COMMON		
5		Vin +	
6	RTD EXCIT +		COMP IN
7	RTD SENS +		
8	RTD SENS -	lin +	
9	CONTROL IN 1		
10	CONTROL IN 2		SEE USER MANUAL
11	CONTROL IN 3		
12	COMMON		
13	PULSE OUTPUT +		
14	PULSE OUTPUT -		
15	ANALOG OUTPUT +		4 -20 mA
16	ANALOG OUTPUT -		
17	NC	25	NC
18	COM RLY 1	26	COM RLY 3
19	NO	27	NO
20	NC	28	NC
21	COM RLY 2	29	COM RLY 4
22	NO	30	NO
23	AC LINE	DC +	POWER IN
24	AC LINE	DC -	