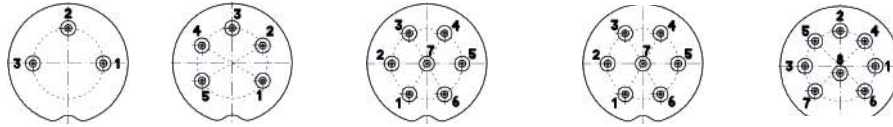


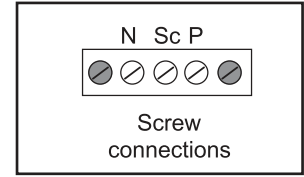
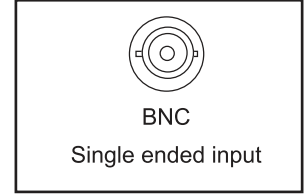
Inputs

Lumberg (Tuchel)



Connectors

	3 Pin	5 Pin	7 Pin (1 Channel)	7 Pin (2 Channel)	8 Pin
Supply +		1	6	6	7
Supply -		5	1	1	6
Signal N1	3	4	3	3	5
Signal P1	1	2	4	4	4
Signal N2				2	
Signal P2				5	
Input Common	2	3	7	7	8
Supply Ref +			5		1
Supply Ref -			2		3
RCAL					2



Pye BA-7P

- A B. Signal P
- B C. Input Common
- C D. Signal N
- D E. Supply + (Iso Brg Amp only)
- E F. Supply - (Iso Brg Amp only)

MS type 10-6s

- A +ve Bridge Volts
- B P Input
- C N Input
- D -ve Bridge Volts
- E -ve Reference
- F +ve Reference

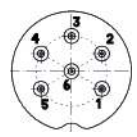
miniature sockets

- Type J - Colour - Black
- Type K - Colour - Green
- Type T - Colour - Brown

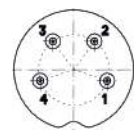
Polarity and conductor material is marked on PLUG body.

Outputs

Lumberg (Tuchel)

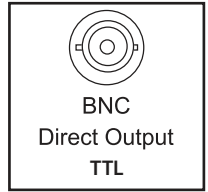


1. Direct Output *NC lower*
2. LF Galvo high *NC upper*
3. HF Galvo low *Wiper upper*
4. LF Galvo low *NO upper*
5. Common *NO lower*
6. HF Galvo high *Wiper lower*



1. Direct Output
2. Atten. o/p high or 4-20mA
3. Atten.o/p low or 4-20mA return
4. Common

*Dual Trip Unit connections in italics.
Connections shown for power OFF.
(Relay contacts change state for power ON.
and module untripped (led lit)).*



Interface

REMOTE
6 pin
Tuchel

1. Cal Channel 1
2. Cal Channel 2
3. Cal Channel 3
4. Cal Channel 4
5. AZ (all)
6. Common

REMOTE (15w'D' plug)

Ch.	CAL	AZ
1	1	9 (all)
2	2	
3	3	common
4	4	15
5	5	
6	6	
7	7	
8	8	

Pin's 10-14 are reserved for serial interface adaptor FE-390-IF

Power

DC POWER OPTION
3 pin XLR
PE8 & PE17
MM16 & MM40

Chassis / Earth

1. +12V / (+10 to +36VDC)
2. 0V
3. Chassis / Earth

DC POWER OPTION
PE2 & PE4 CASES
MM4 & MM8

2.1mm socket
Centre +12V
Outer 0V

Mating lead:- white +12V; black 0V
(Or Red)

NOTE: Connectors are shown as seen from outside rear of instrument case.