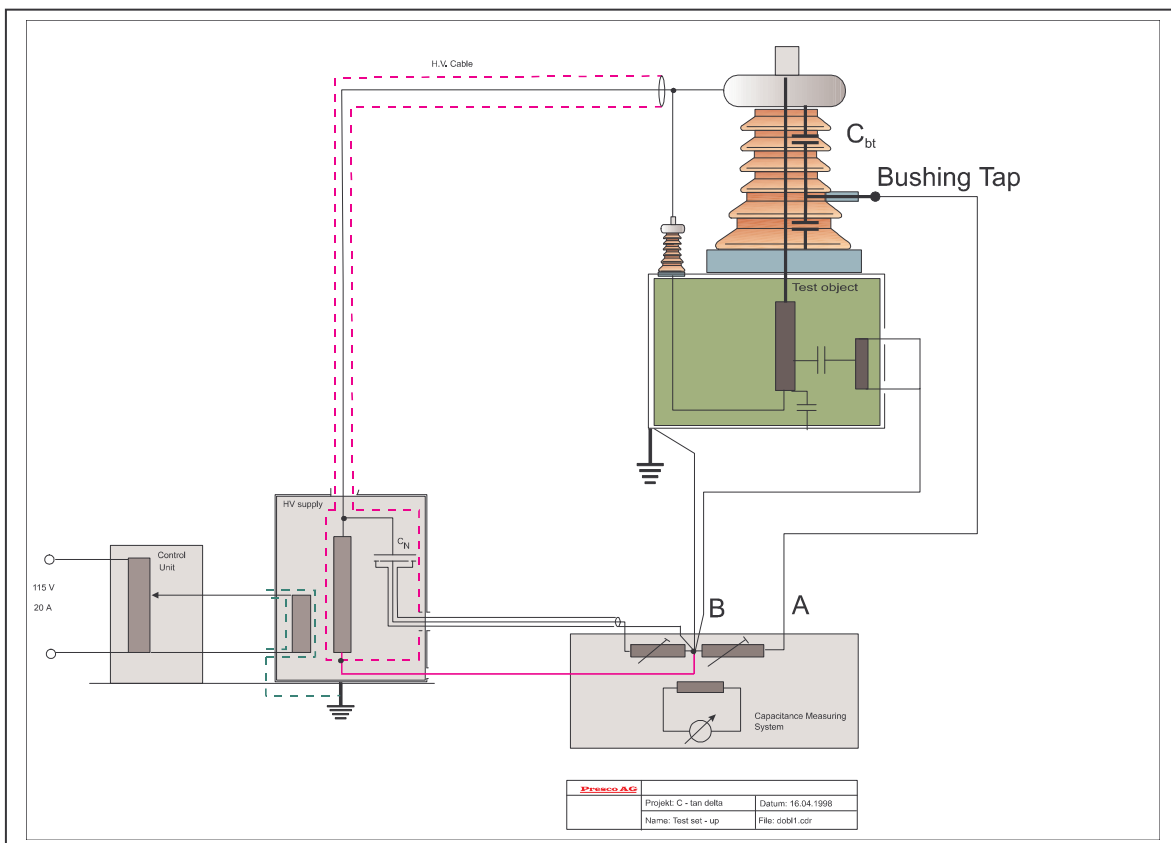


A Presco Application

How to test with FT-12 the capacitance of a bushing tap?

Weiningen, October 14, 2002

1. Set on FT-12 connection "USTA"
2. Connect the transformer on the following way:



3. Description:

- The HV cable is connected on the short – circuited HV coil.
- The "A" input is connected to bushing tap. A Micafil standard connector is proposed.
- The shorted low voltage winding is connected to input "B" and by it grounded.
- The instrument measures " C_{bt} "

4. Experience:

A bushing measurement made by company "Goebel" in Germany:

COUNTRY	Deutschland			
PLACE	Karnap			
PROJECT				
COMPANY	RWE NET AG			
OPERATOR	Schnitzler			
NAME	PANK 12			
FABR. NO.	B38174			
FABR YEAR	1971			
INSULATION	Bushing Tap			
COMMENT				
Date of measurment:				
Filenumber:	1			
Filename:	c305vc			
RecNo:	Utest in kV	C in pF	tan d	Connection
0	1.99	307.81	0.3475	UST B
1	4.15	307.79	0.3564	UST B
2	6.08	307.81	0.3552	UST B
3	8.02	307.81	0.3573	UST B
4	10.05	307.8	0.3509	UST B
5	12.09	307.78	0.3486	UST B
6	2.08	307.79	0.3529	UST B
7	4.15	307.76	0.3478	UST B
8	6.06	307.76	0.3446	UST B
9	8.03	307.78	0.3448	UST B
10	10.01	307.76	0.3462	UST B
11	12.06	307.77	0.3474	UST B