



PN4300PC
PN4400PC

Illustrated Parts Catalogue





PN4300PC
PN4400PC
Electrochemical C-V Profilers

Illustrated Parts Catalogue
Issue 2.0

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The ECV Profiler and Photovoltage Spectrometer are manufactured under exclusive license from the British Telecom Research Laboratory.

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1. ECV Profiler Parts

Where parts are different according to the model, i.e. PN4300PC or PN4400PC Wide Band Gap model, the identification STD. or WBG respectively precedes the part description.

For the Electrochemical cell and all related parts refer to Section 2.

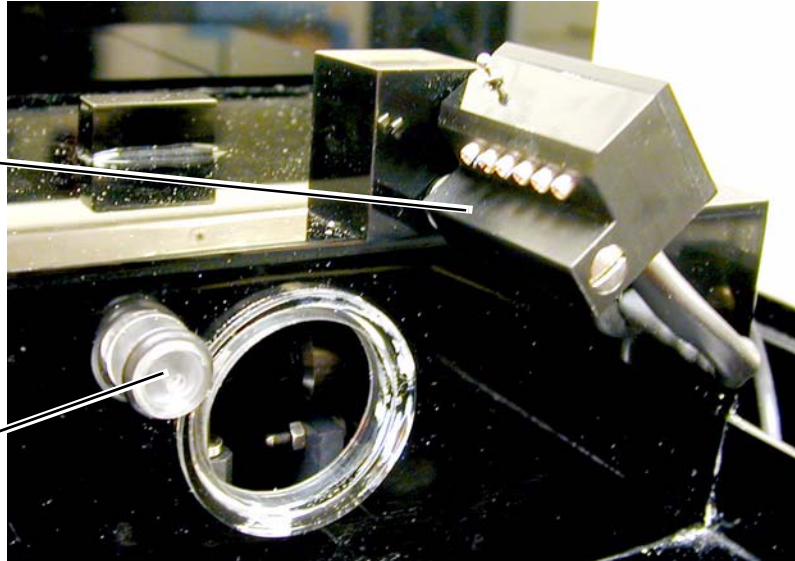
1.1 Miscellaneous parts

Part Number	Description	Unit Quantity
PN4115	MEASURING MICROSCOPE	1
PN4116	BLUE FILM SLICES	5
PN4122	TIRON	100g
PN4128	GLASS SYRINGES 10ML	10
PN4156	BLUE FILTER FOR ILLUMINATION SYSTEM	1
PN4172C	CELL PLUMBING KIT	1
PN4255	PVS CALIBRATION CELL	1
PN4260	SPECTRAL EXPANSION OPTION	1

1.2 Cell Connector and Bubble Nipple

STD.
CELL CONNECTOR WITH LEAD
PN4161
(connecting terminal not supplied _
see Section 1.4)

BUBBLE NIPPLE
PN4177C



WBG
CELL CONNECTOR
PN4461



1.3 Illumination and Pump

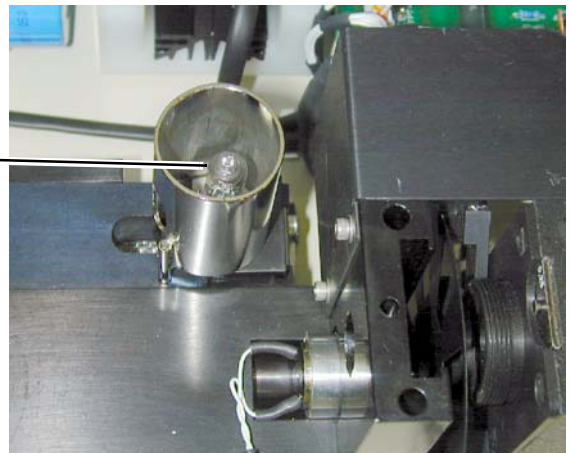


STD.
SYSTEM ILLUMINATION LAMP
(24V 150W QH)
PN4155

LAMP HOLDER ASSEMBLY
PN4181

CELL PUMP
PN4165

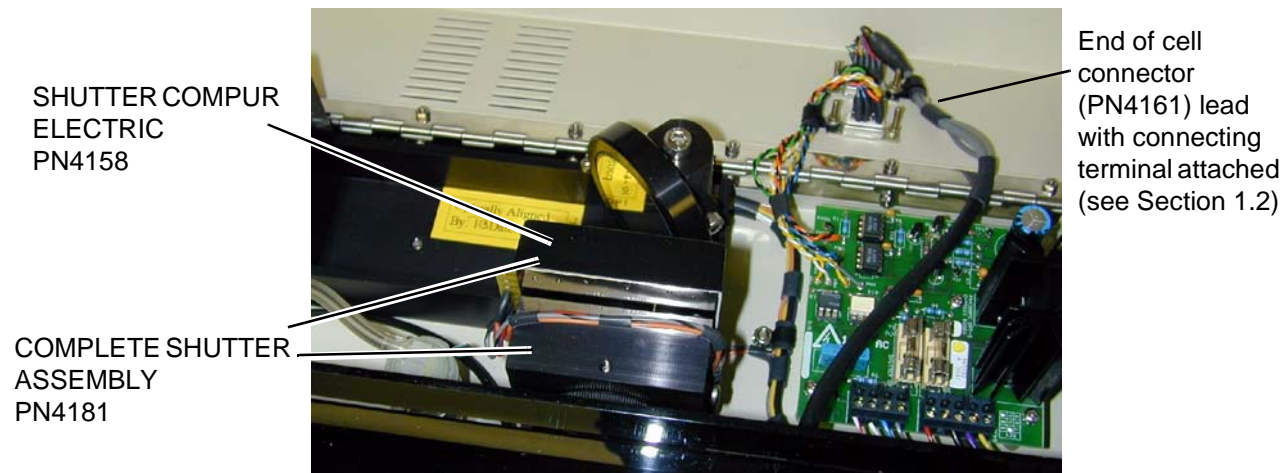
PVS SYSTEM ILLUMINATION LAMP
(QUARTZ 24V 70W)
PN4252



WBG
MERCURY XENON LAMP(75W)
PN4455

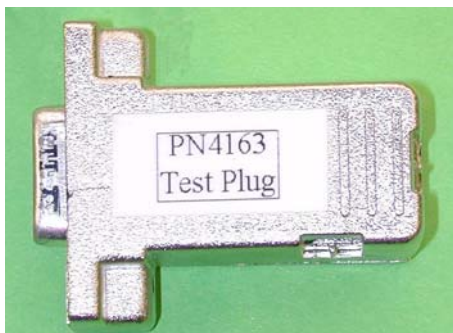


1.4 Shutter



1.5 Test Plug

TEST PLUG
PN4163



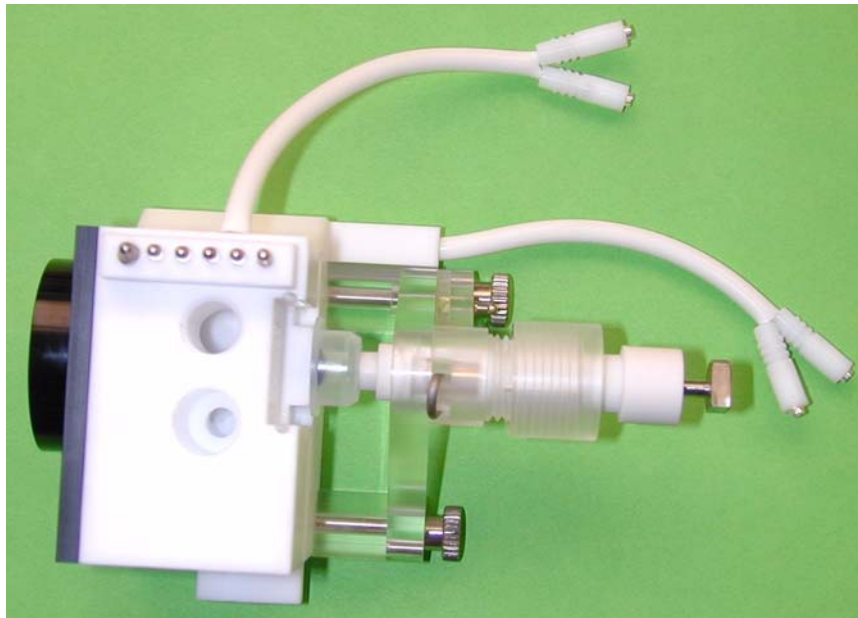
1.6 Capacitance Calibration Set

CAPACITANCE CALIBRATION SET
PN4117



2. Electrochemical Cell

STD. (BLACK BACK PLATE)	PN4140L	STD. ELECTROCHEMICAL CELL WITH LARGE SEALING RING
	PN4140S	STD. ELECTROCHEMICAL CELL WITH SMALL SEALING RING
WBG (RED BACK PLATE)	PN4440L	WBG ELECTROCHEMICAL CELL WITH LARGE SEALING RING
	PN4440S	WBG ELECTROCHEMICAL CELL WITH SMALL SEALING RING



CELL BODY ONLY

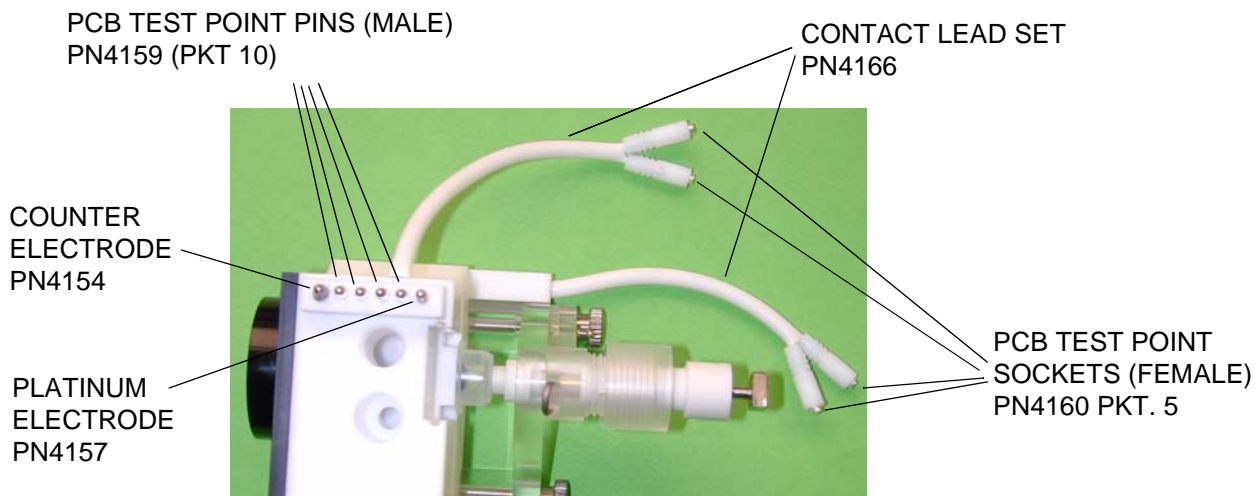


WBG (RED BACK PLATE)
PN4441

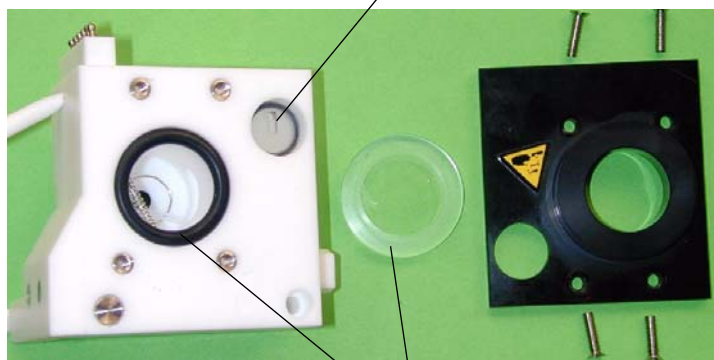
STD. (BLACK BACK PLATE)
PN4141

STANDARD TO WIDE BAND GAP CELL CONVERSION KIT
PN4441UG

2.1 Miscellaneous parts



CELL VENT WASHER + 'O' RING
PN4174



'O' RING SET - PN4175

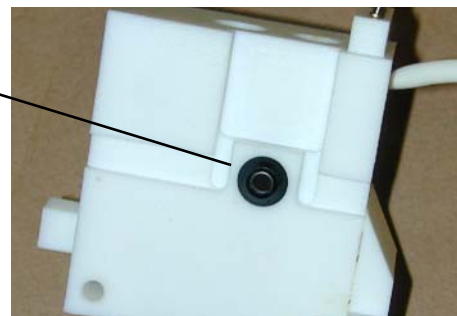
STD.
CELL WINDOW + 'O' RING - PN4173

WBG
CELL WINDOW + 'O' RING - PN4473

FRONT CONTACTS
PN4147



SEALING RING
LARGE - PN4150
SMALL - PN4152

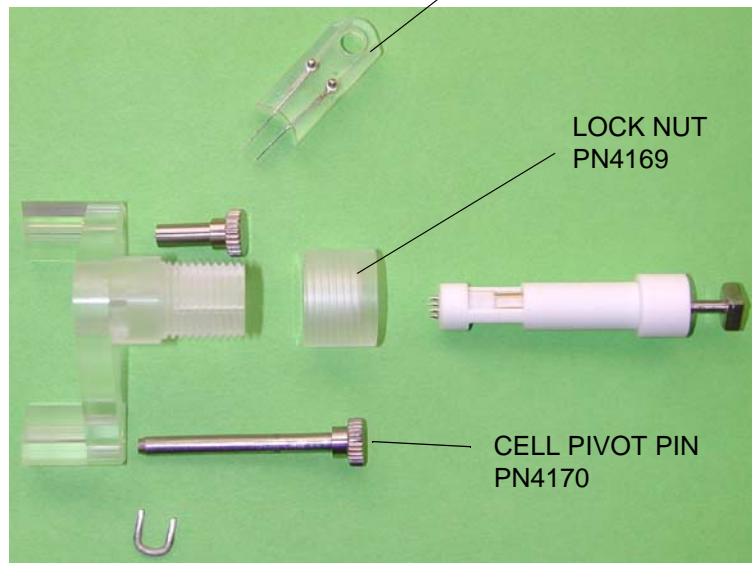


2.2 Back contact assembly

PN4162	BACK CONTACT ASSEMBLY COMPLETE
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BACK CONTACT BRUSHES
PN4164



SET OF BACK CONTACTS
PN 4148



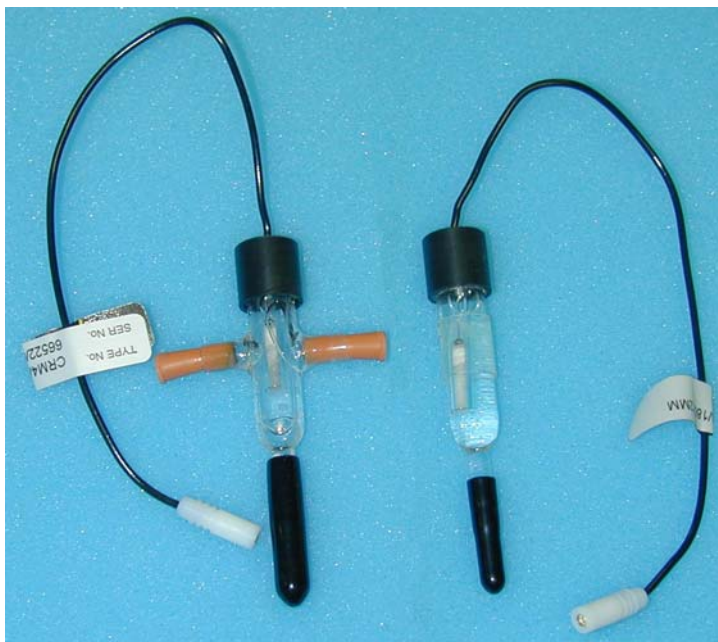
SPRING
HIGH PRESSURE- PN4190
LOW PRESSURE- PN4191

PLUNGER KEY
PN4171

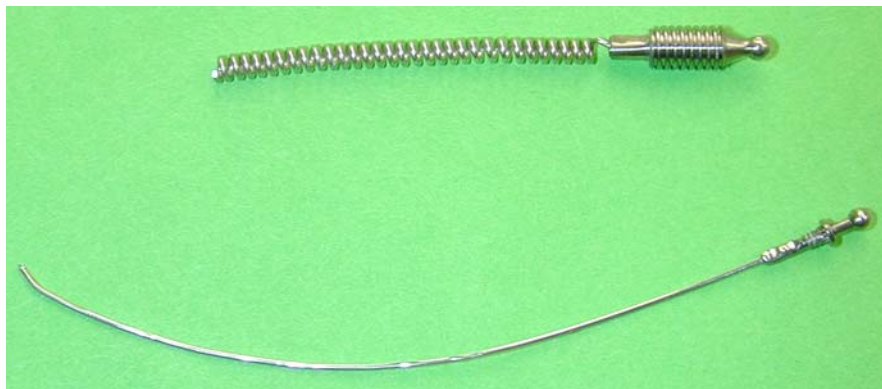
2.3 Electrodes

CALOMEL ELECTRODE
WITH SALT BRIDGE
PN4144

CALOMEL ELECTRODE
WITHOUT SALT BRIDGE
PN4145



COUNTER ELECTRODE
PN4154



PLATINUM ELECTRODE
PN4157



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