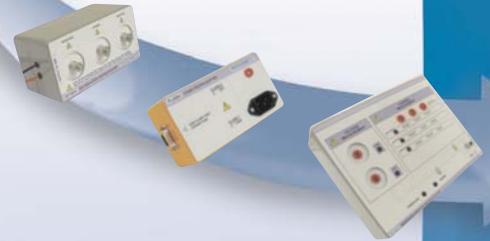
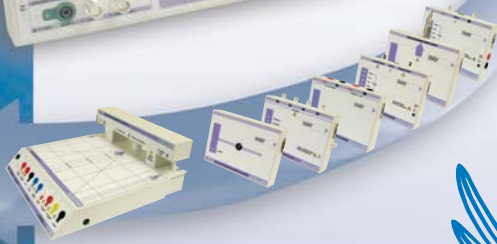


TRANSMILLE

PRODUCT GUIDE



THE QUEEN'S AWARDS
FOR ENTERPRISE:
INNOVATION
2008



PROCAL



PROCAL TRACK



PROSALES



UKAS
CALIBRATION

0324



TEST & MEASUREMENT SOLUTIONS

PRECISION MULTI PRODUCT CALIBRATORS

3000SERIES THE FLEXIBLE SOLUTION TO WORKLOAD REQUIREMENTS



EXPANDABLE VIA ADAPTER INTERFACE

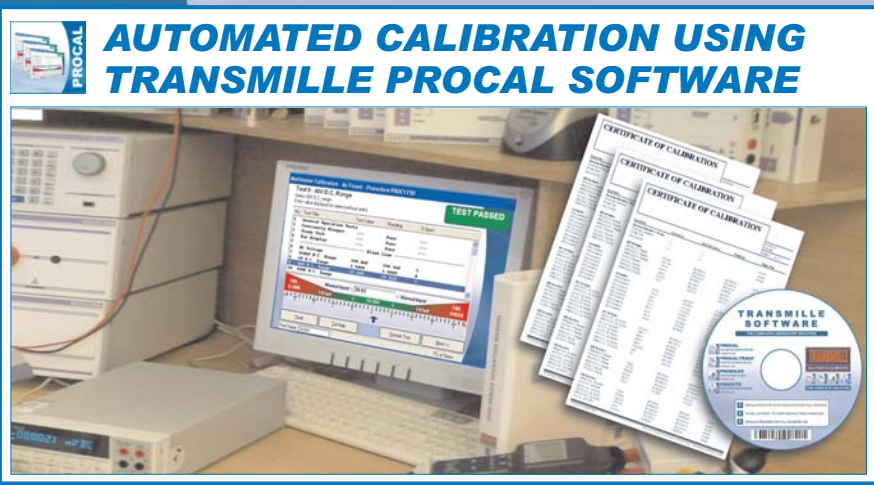
Calibrates...

- MULTIMETERS
- CLAMP METERS
- OSCILLOSCOPES
- POWER / WATT METERS
- POWER SUPPLIES
- CURRENT SHUNTS
- PROCESS CONTROL
- HV SOURCES / PROBES
- COUNTER / TIMERS
- PRESSURE / TORQUE
- AND MORE...

MODEL 3010
8 PPM

MODEL 3041
25 PPM

MODEL 3050
50 PPM



- V 1000V AC/DC**
- A 30A AC/DC**
- Ω 1GOHM**
- F 10mF**
- Hz 10MHz**
- H 10H**
- °C THERMOCOUPLE**
- °C RTD / PT100**
- + POWER**
- + OSCILLOSCOPE**
- + RS232 / GPIB**

PRECISION MULTI PRODUCT CALIBRATORS

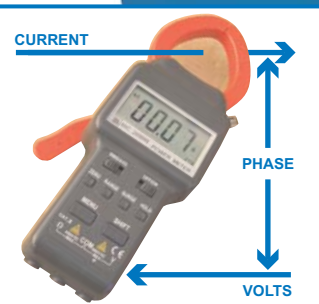
3000SERIES :: INTERNAL OPTIONS



POWER (SINE)

AC (SINE) / DC POWER CALIBRATION

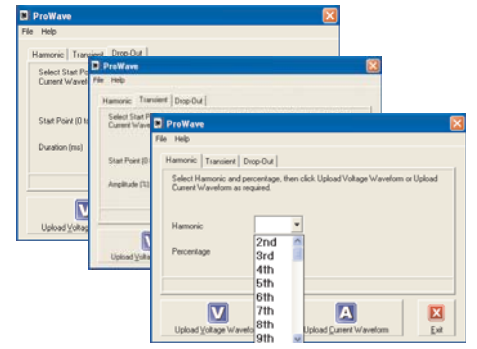
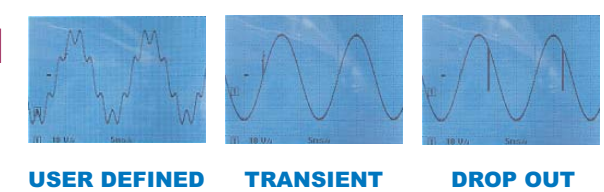
- AC/DC VOLTAGE TO 1000V
- AC/DC CURRENT TO 30A
- PHASE 0° - 360°
- PHANTOM POWER TO 1.5MW



POWER DDS

DDS POWER CALIBRATION

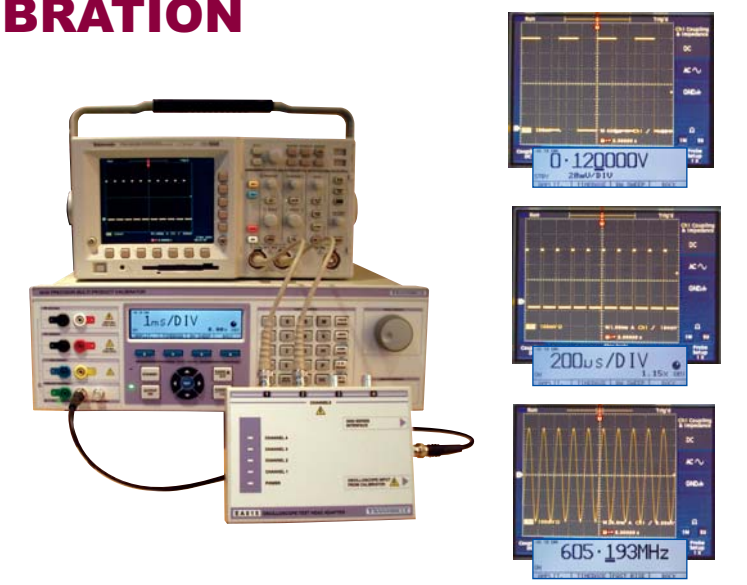
- AC/DC VOLTAGE TO 1000V
- AC / DC CURRENT TO 30A
- PHASE 0° - 360°
- PHANTOM POWER TO 1.5MW
- HARMONIC WAVEFORM GENERATION
- TRANSIENT SPIKE SIMULATION
- DROP OUT SIMULATION
- DESIGN & UPLOAD CUSTOM WAVEFORMS USING PC SOFTWARE



OSCILLOSCOPE

OSCILLOSCOPE CALIBRATION

- BANDWIDTH**
 - 250MHz
 - 350MHz
 - 600MHz
- AMPLITUDE**
 - 2mV/Div - 50V/Div
- TIMEBASE**
 - 5s - 2ns
- FAST RISE**
 - 1ns



INDUCTANCE

INDUCTANCE CALIBRATION

- 8 PRECISION VALUES FROM 1mH - 10H
- IDEAL FOR CALIBRATING RCL METERS & BRIDGES



PRECISION MULTI PRODUCT CALIBRATORS

3000SERIES :: EXTERNAL CALIBRATION ADAPTERS



THERMOCOUPLE SIMULATION

TYPES : J, K, T, R, S, B, N, E
BUILT-IN CJC SENSOR

EA001



2 / 10 / 50 TURN COIL
HIGH ACCURACY BALANCED DESIGN
SIMULATES UP TO 1500A

EA002



OPTICAL TACHOMETER ADAPTER

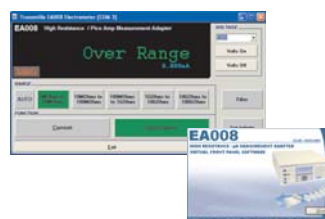
DIRECT KEYBOARD INPUT IN RPM
RANGE 60 - 60,000 RPM

EA003



HIGH RESISTANCE/pA MEASURE

ACCURATE pA MEASUREMENT
HIGH RESISTANCE TO 1 TOHM
FIVE RANGES 10nA - 100uA



EA008



ELECTROMETER ADAPTER

ACCURATE pA SOURCE
LOW OPEN CIRCUIT COMPLIANCE



EA013



TORQUE CALIBRATION ADAPTER

SUPPORTS mNm, ftlb ETC.
SUPPLIED WITH CONTROL SOFTWARE



EA014



MULTI FUNCTION WORKSTATION

CALIBRATES : CLAMP / INSULATION /
PROCESS CONTROL / THERMOMETER /
TACHOMETER : SOFTWARE SUPPLIED

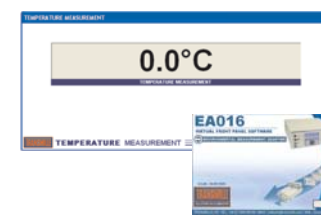


EA015



HUMIDITY/TEMPERATURE SENSOR

MEASURES : HUMIDITY : 10% - 90%
TEMPERATURE : 0°C - 50°C
SUPPLIED WITH CONTROL SOFTWARE



EA016



OSCILLOSCOPE TEST HEAD ADAPTER

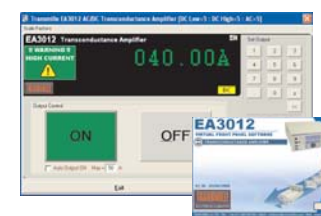
4 CHANNEL OUTPUT
BUFFERED & DIRECT OUTPUT IMPEDANCE
SOFTWARE CONTROLLED SWITCHING

EA017



HIGH CURRENT AMPLIFIER

100A DC • 75A AC OUTPUT
2000A AC/DC USING COIL
SUPPLIED WITH CONTROL SOFTWARE



EA3012



3A POWER SUPPLY ADAPTER

MEASURES OUTPUT VOLTAGE TO 63V
ACTIVE CURRENT LOAD TO 3A
SUPPLIED WITH CONTROL SOFTWARE



EA3023



HIGH VOLTAGE AMPLIFIER

1 - 10kV DC • 1 - 5 kV AC
REQUIRES 3000 SERIES
SUPPLIED WITH CONTROL SOFTWARE

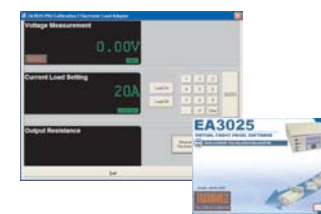


EA3024



60A POWER SUPPLY ADAPTER

MEASURES OUTPUT VOLTAGE TO 100V
ACTIVE CURRENT LOAD TO 60A
SUPPLIED WITH CONTROL SOFTWARE



EA3025



PRESSURE MEASUREMENT MODULES

MEASUREMENT FROM 25mBar to 10,000PSI
OPTIONAL HAND PRESSURE / VACUUM PUMP
CONNECTS DIRECTLY TO CALIBRATOR INTERFACE

TPA0XX

DC VOLTAGE & CURRENT EXPANDABLE CALIBRATORS

3300SERIES



> COST-EFFECTIVE SOLUTION FOR PRODUCTION, TEST OR LABORATORY



3310
PRECISION CALIBRATOR
8ppm



3341
PRECISION CALIBRATOR
25ppm



3350
PRECISION CALIBRATOR
50ppm

DC VOLTAGE 0.01uV to 20V AS STANDARD
PLUS OPTIONS

OPTION HV HIGH VOLTAGE TO 1kV

OPTION HC HIGH CURRENT TO 30A*

OPTION AC AC OPTION

OPTION RES RESISTANCE TO 1 GOhm

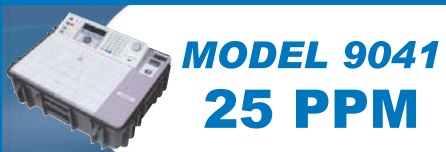
OPTION LC LOW CURRENT TO 200mA

OPTION CAP CAPACITANCE TO 10uF

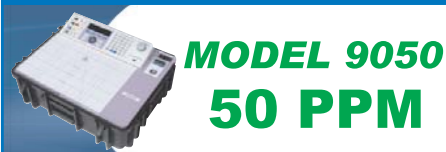
OPTIONS

TRANSPORTABLE / ON-SITE MULTI PRODUCT CALIBRATORS

9000SERIES



MODEL 9041
25 PPM



MODEL 9050
50 PPM

V 1000V AC/DC

A 20A AC/DC

Ω 1GOHM

F 10mF

Hz 10MHz

+ RS232

°C DRY BLOCK TEMPERATURE OPTION

BAR PRESSURE CALIBRATION MODULES OPTION

mm DIMENSIONAL CALIBRATION OPTION



EMAIL: SALES@TRANSMILLE.COM • WEB: WWW.TRANSMILLE.COM • WWW.TRANSMILLE.NET

PRECISION REFERENCE STANDARDS

3000PRECISION



3000 PRECISION INTELLIGENT REFERENCE STANDARDS



- DIGITAL STANDARD - STORES CALIBRATED VALUE AND CALIBRATION DATA IN INTERNAL MEMORY.
- BUILT-IN RS232 INTERFACE FOR USE WITH 8000 SERIES DMM INTELLIGENT REFERENCE RATIO FUNCTIONS.

3000RS :: PRECISION RESISTANCE STANDARD



- DEDICATED PRECISION RESISTANCE STANDARD
- VIRTUALLY ZERO TEMPERATURE COEFFICIENT BETWEEN 18°C AND 23°C
- IDEAL FOR USE AS A WORKING STANDARD, TRANSFER STANDARD AND CALIBRATION OF THE 3000 SERIES

3000ZR :: PRECISION VOLTAGE STANDARD



- INTEGRATED 1.018V AND 10V REFERENCE STANDARD
- MULTI CELL ZENER REFERENCE FOR INTER-COMPARISON
- INTEGRATED TEMPERATURE CONTROLLED ENVIRONMENT
- ROBUST SOLID STATE DESIGN
- OUTPUTS CAN SUSTAIN SHORT CIRCUIT WITHOUT DAMAGE

3000CS :: PRECISION CURRENT SHUNT ARRAY



- DEDICATED PRECISION CURRENT SHUNT ARRAY
- PRECISION FOIL CURRENT SENSING RESISTORS
- LOW TEMPERATURE CO-EFFICIENT & LONG TERM STABILITY
- BUILT-IN TEMPERATURE MEASUREMENT (PRT OUTPUTS)

3000REF :: PRECISION ACV / DCV / OHMS MULTI REFERENCE



- 1 OHM REFERENCE
- 10 KOHM REFERENCE
- 10V / 1V DC REFERENCE
- 7V / 1V AC REFERENCE
- IDEAL REFERENCE FOR AGILENT 3458A, TRANSMILLE 8000 SERIES AND SIMILAR

EMAIL: SALES@TRANSMILLE.COM • WEB: WWW.TRANSMILLE.COM • WWW.TRANSMILLE.NET

PRECISION MULTIMETERS
7 1/2 DIGIT 9ppm • 8 1/2 DIGIT 4ppm

8000SERIES



V_{DC}	DC VOLTAGE	8081 : 10nV to 1050V • 8 1/2 to 4 1/2 Digits 8071 : 100nV to 1050V • 7 1/2 to 4 1/2 Digits
V_{AC}	AC VOLTAGE	8081 : 0.1uV to 1000V • 6 1/2 to 4 1/2 Digits 8071 : 1uV to 1000V • 5 1/2 to 4 1/2 Digits
I_{DC}	DC CURRENT	8081 : 0.1pA to 30A • 7 1/2 to 4 1/2 Digits 8071 : 100pA to 10A • 6 1/2 to 4 1/2 Digits
I_{AC}	AC CURRENT	8081 : 1uA to 30A • 6 1/2 to 4 1/2 Digits 8071 : 10uV to 10A • 5 1/2 to 4 1/2 Digits
Ω	RESISTANCE	8081 : 0.1uΩ to 1TΩ • 8 1/2 to 4 1/2 Digits 8071 : 10uΩ to 10MΩ • 7 1/2 to 4 1/2 Digits
Hz	FREQUENCY	8081 : 1Hz to 10MHz • 7 1/2 to 4 1/2 Digits
°C	TEMPERATURE	8081 : PRT -200°C to 660°C 2&4 WIRE 8 1/2 to 4 1/2 Digits • ITS90 SCALE
BAR	PRESSURE	8081 : 25 PRESSURE MODULES 25mBar to 100Bar



- + PROGRAMMABLE TERMINAL SWITCHING (8071/8081)**
- + INTELLIGENT REFERENCE RATIO FUNCTION (8081)**
- + LOW CURRENT MEASUREMENT 0.1pA to 10uA (8081)**
- + HIGH RESISTANCE MEASUREMENT TO 1TΩ (8081)**

**MULTI FUNCTION ELECTRICAL
TEST EQUIPMENT CALIBRATOR**

3200SERIES



Calibrates...

INS

INSULATION TESTERS

PAT

PORTABLE APPLIANCE TESTERS

LOOP

LOOP TESTERS

RCD

RCD TESTERS

**BREAK
DOWN**

BREAKDOWN / HIPOT TESTERS

**GND
BOND**

GROUND BOND TESTERS

HV

HIGH VOLTAGE SOURCES TO 12kV



UK

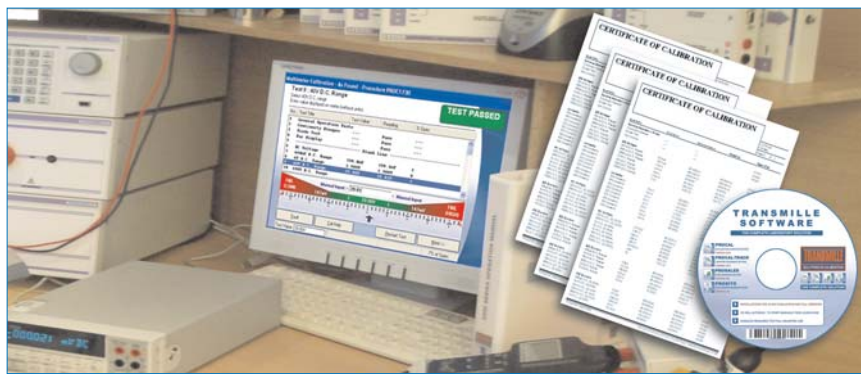


EUROPEAN



AUSTRALIAN

**PROCAL
AUTOMATED CALIBRATION USING
TRANSMILLE PROCAL SOFTWARE**



**COMPLETE CALIBRATION OF
ELECTRICIANS TEST TOOLS**

**MULTI FUNCTION ELECTRICAL
TEST EQUIPMENT CALIBRATOR**

3200SERIES :: EXTERNAL OPTIONS



HV INSULATION ADAPTER

- CALIBRATE UP TO 15kV INSULATION TESTERS
- RANGE : 2GOhm to 200GOhm
- CONNECTS DIRECTLY TO 3200



PAT FLASH TEST ADAPTER

- CLASS 1 - 1.5kV TESTING
- CLASS 2 - 3kV TESTING
- CONNECTS DIRECTLY TO 3200



BREAKDOWN / HIPOT ADAPTER

- 3kV & 12kV AC/DC MEASUREMENT RANGES
- 200uA 2mA 20mA CURRENT RANGES
- CONNECTS DIRECTLY TO 3200



HIGH VOLTAGE PROBE

- 12kV INPUT
- CONNECTS DIRECTLY TO 3200
- IDEAL FOR TESTING HV SOURCES

TRANSMILLE SOFTWARE COMPREHENSIVE LABORATORY MANAGEMENT

CALIBRATION • MANAGEMENT • SALES • ON-SITE • WEB



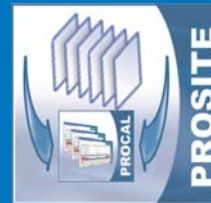
PROCAL



PROCAL TRACK



PROSALES



PROSITE



PROWEB



THE QUEEN'S AWARDS
FOR ENTERPRISE
INNOVATION
2008



MULTI DISCIPLINE CALIBRATION SOFTWARE

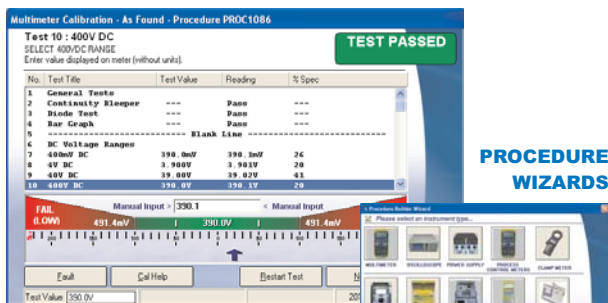
- **UNIVERSAL CALIBRATION SOFTWARE**
- **FAST PROCEDURE CREATION - PROCEDURE WIZARDS**
- **CREATE & PRINT CERTIFICATES ON PLAIN PAPER**
- **M3003 / GUM UNCERTAINTIES**
- **SUPPORTS CRYSTAL REPORTS**
- **CALIBRATION PRICING SUPPORT**



LABEL PRINTING



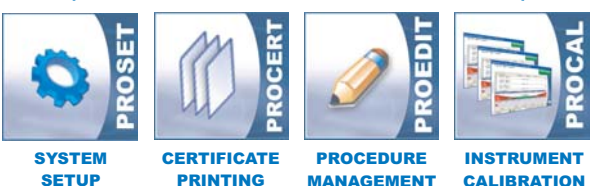
BARCODE SCANNING



PROCEDURE WIZARDS

GRAPHICAL CALIBRATION

PROCAL PROGRAM SUITE



SYSTEM SETUP

CERTIFICATE PRINTING

PROCEDURE MANAGEMENT

INSTRUMENT CALIBRATION

PROCAL

LABORATORY MANAGEMENT SOFTWARE

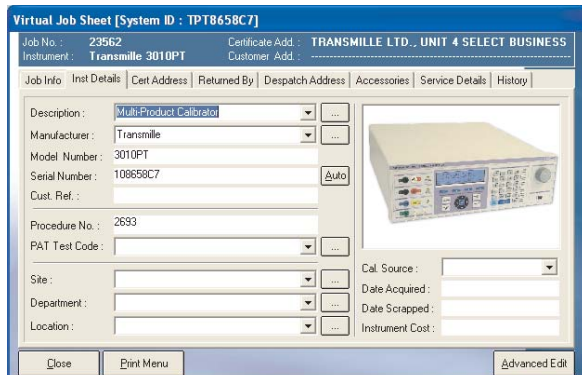
- **JOB CONTROL FROM GOODS IN TO DESPATCH**
- **VIRTUAL JOB SHEET :: DYNAMIC JOB TRACKING**
- **GOODS INWARDS & ACCESSORIES MANAGEMENT**
- **DESIGNED FOR OFFICE & LAB**
- **SUPPORTS CRYSTAL REPORTS**
- **BUILT-IN REPORTS & LABELS**



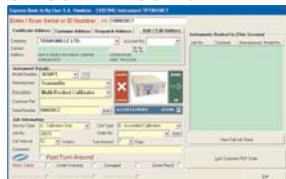
LABEL PRINTING



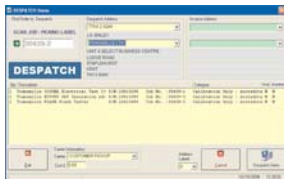
BARCODE SCANNING



ON-SCREEN JOB SHEET



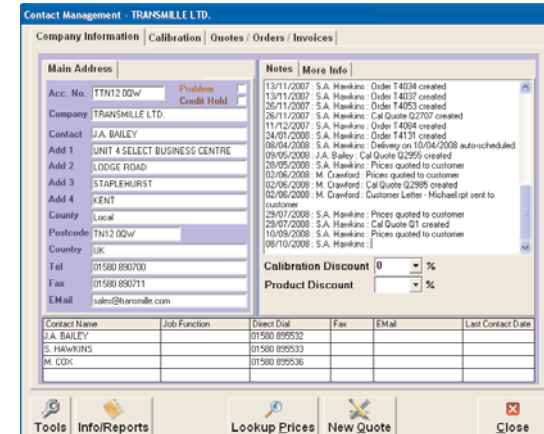
GOODS INWARDS



PROCESSING & DESPATCH

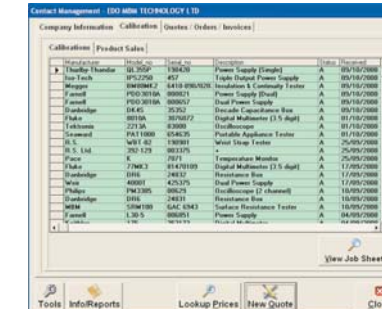
PROCAL-TRACK

SALES MANAGEMENT SOFTWARE

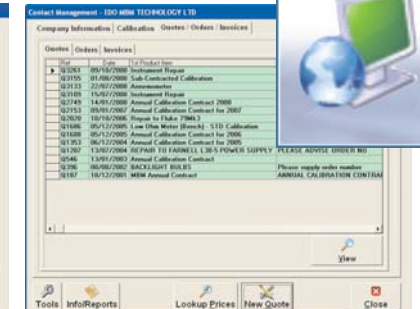


CONTACTS MANAGEMENT VIEW

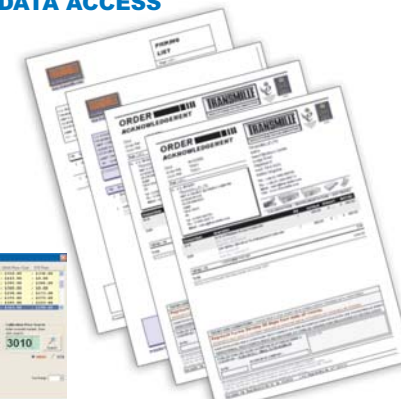
- **MANAGES CONTACTS INFORMATION & ACTIVITY**
- **CALIBRATION COSTINGS & QUOTING SYSTEM**
- **INVOICE DATA EXPORT FOR IMPORT INTO ACCOUNTING PACKAGES**



STOCK MANAGEMENT / CALIBRATION COSTS



INTEGRATES WITH PROCAL-TRACK FOR CALIBRATION DATA ACCESS



PROSALES

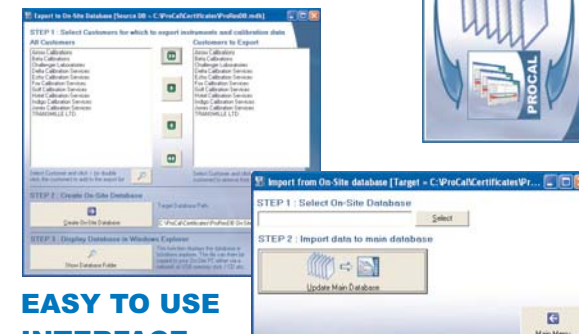
PROSALES

ON-SITE DATABASE MANAGEMENT

- **MANAGES DATA EXPORT TO A PORTABLE ON-SITE DATABASE**
- **IMPORTS DATA INTO PROCAL MAIN DATABASE**
- **SIMPLE AND EASY TO USE INTERFACE**



EASY TO USE INTERFACE



PROSITE

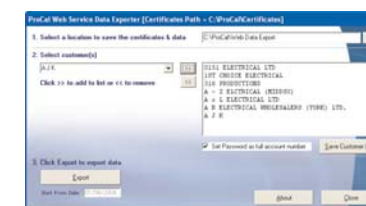
PROSITE

ON-LINE WEB SERVICE MANAGEMENT

- **MANAGES CERTIFICATE PDF AND WEB DATABASE EXPORT**
- **PREPARES FILES READY FOR UPLOAD TO WEB SPACE**



* REQUIRES CUSTOMISATION & INTEGRATION INTO END-USER WEBSITE.



PROWEB

PROWEB

BATTERY POWERED PORTABLE APPLIANCE TESTERS

5000/6000SERIES



5080 COMPACT BATTERY POWERED PAT

- 2 BUTTON OPERATION
- EASY TO READ LED BAR GRAPHS & LCD SCREEN
- VISUAL CHECK / FUSE TESTS
- EARTH BOND / INSULATION / LEAKAGE TESTING
- DATA DOWNLOAD READY



CLASS I
TESTING



CLASS II
TESTING



DATA
DOWNLOAD



OPTIONAL
SOFTWARE



6080 DUAL VOLTAGE BATTERY POWERED PAT

AS MODEL 5080, PLUS ADDITIONAL FUNCTIONS :

- DUAL VOLTAGE 110V / 230V
- IEC / EXTENSION LEAD CHECK
- FUSE CONTINUITY & SELF CHECK



CLASS I
TESTING



CLASS II
TESTING



DATA
DOWNLOAD



OPTIONAL
SOFTWARE



LEAD
TESTING



6080PLUS ADVANCED BATTERY POWERED PAT

AS MODEL 6080, PLUS ADDITIONAL FUNCTIONS :

- UPLOAD/DOWNLOAD/ASSET MANAGEMENT
- QWERTY KEYBOARD
- OPTIONAL BARCODE SCANNER



CLASS I
TESTING



CLASS II
TESTING



DATA
DOWNLOAD



OPTIONAL
SOFTWARE



LEAD
TESTING



DATA UPLOAD
READY



PAT SOFTWARE

- DOWNLOAD FROM ANY MODEL OF TRANSMILLE PAT
- SIMPLE 1-CLICK FUNCTIONS
- ON-SCREEN PREVIEW : TEST REPORTS & LABELS

PATDRS



5080/6080

PRODRS



6080PLUS

TEST REPORTS
& LABELS



BENCH & HANDHELD PRODUCT RANGE

2080 • 2090 • METERMATES



2080 17th EDITION ELECTRICIANS TEST BOX

A complete health check for electricians test equipment

- CONTINUITY RESISTANCE : 3 POINTS
- INSULATION : 3 POINTS
- INSULATION TEST VOLTAGE to 1kV
- RCD TESTERS : 3 RANGES • 5I • OVER-CURRENT
- LOOP TESTERS : ACCURATE +10HM CHECK



2090 PROGRAMMABLE RESISTANCE BOX

A compact programmable resistance box with RS232 interface.

- FRONT PANEL DISPLAY & CONTROLS
- IDEAL FOR TEST BENCH & ATE APPLICATIONS
- PASSIVE RESISTORS FOR BEST COMPATIBILITY



Virtual Front
Panel Software

2010 :: HIGH OHM MEASUREMENT ADAPTER

- Connects to a standard 3½ Digit handheld multimeter
- Applications : Insulation testing, PCB/capacitor leakage, transformer isolation and High value resistance measurements



2012 :: LOW OHM MEASUREMENT ADAPTER

- Connects to a standard 3½ Digit handheld multimeter
- Applications : Earth continuity, coil/transformer resistance, PCB track resistance, low value resistors and shunts fuse, connectors/cable resistance etc.



2014 :: 4-20mA TRANSDUCER ADAPTER

- Connects to a standard 3½ Digit handheld multimeter
- Powers transducers and displays output in percent



2016 :: IN-TRACK MEASUREMENT ADAPTER

- Connects to a standard 3½ Digit handheld multimeter
- Measures current in PCB tracks, connectors, switches, fuses, cables, etc. without breaking the circuit.
- Ideal for fault finding



