1        **PACE1000 SR0092 Rev D11 current software version**

Released via SAP, software release version changes numeric to Alpha from this point
onwards, with old numeric release shown.

| Description | DK Number | Version |
|---|---|---|
| Instrument main code | DK0406 | V01.09.02 |
| Instrument OS Build | DK0366 | V01.10.01 |
| Instrument Boot ROM | DK0365 | V01.03.01 |
| | | |

PACE1000 correct operation is only supported when component versions
installed into the product agree with the above table.

1.1        **Changes implemented**

DK0406
Fixed issue with ROC not being updated in Aeronautical mode for
configurable TERPS sensors.
Added user control enable/disable hash (#) be part of the scpi pseudo range
commands for all communication ports.
Added delays when analogue card is attach to overcome hanging boot up.

1.2        **Applicability of new issue**

The issue of firmware should be used in production on the following series of
instrument variants:
- PACE 1000

1.3        **RELEASE DATE**

5th February 2016

## 2  PACE1000 SR0092 Rev C(10) current software version

Released via SAP, software release version changes numeric to Alpha from this point onwards, with old numeric release shown.

| Description | DK Number | Version |
|---|---|---|
| Instrument main code | DK0406 | V01.08.05 |
| Instrument OS Build | DK0366 | V01.10.01 |
| Instrument Boot ROM | DK0365 | V01.03.01 |
| | | |

PACE1000 correct operation is only supported when component versions installed into the product agree with the above table.

### 2.1  Changes implemented

DK0406
Added Qc Zero when two IRS sensors are fitted.
Disabled the debug print to file in SD card to prevent intermittent corruption of SD Card.
Added change which now displays Barometer as Barometer (0) not Barometer0
Added Sensor Type Configuration which now deletes sensor config file and allows to configure the sensors again.
Pseudo gauge Range minimum is 7bar.
Now it checks the OS files at OS upgrade not just OS folder.
Increased the limit of absolute sensors which can be zeroed from 20bar abs to 210bar abs.

### 2.2  Applicability of new issue

The issue of firmware should be used in production on the following series of instrument variants:
- PACE 1000

### 2.3  RELEASE DATE

28th September 2015

3        **PACE1000 SR0092 Rev B(9) component versions**

Released via SAP, software release version changes numeric to Alpha from this point onwards, with old numeric release shown.

| Description | DK Number | Version |
|---|---|---|
| Instrument main code | DK0406 | V01.07.00 |
| Instrument OS Build | DK0366 | V01.10.01 |
| Instrument Boot ROM | DK0365 | V01.03.01 |
| | | |

PACE correct operation support is only with component versions installed into the product agree with the above table.

3.1        **Changes implemented**

Enhancements:
* None

General Bug fixed:
* DK0406 - Aeronautical mode airspeed leak test issue corrected where over-range is displayed with 2off RPTs fitted in Ps/Pt.

3.2        **Applicability of new issue**

The issue of firmware should be used in production on the following series of instrument variants:
* PACE 1000

3.3        **RELEASE DATE**

18th August 2015

4          **PACE1000 SR0092 Rev A(8) component versions**

First release via SAP, software release version changes numeric to Alpha from this point onwards, with old numeric release shown.

| Description | DK Number | Version |
|---|---|---|
| Instrument main code | DK0406 | V01.06.07 |
| Instrument OS Build | DK0366 | V01.10.01 |
| Instrument Boot ROM | DK0365 | V01.03.01 |
| | | |

PACE correct operation support is only with component versions installed into the product agree with the above table.

4.1          **Changes implemented**

Enhancements:
- DK0406 - Sensor gain resolution increased for pressure calculation from PACE RPT, TERPS and Piezo resistive sensors. Support for 2bara and 3.5bara TERPS sensors added.
- DK0366 - Ethernet port firewall added.

General Bug fixed:
- ZERO history file length limited to prevent DPI.EXE error.

4.2          **Applicability of new issue**

The issue of firmware should be used in production on the following series of instrument variants:
- PACE 1000

4.3          **RELEASE DATE**

5$^{th}$ June 2015

## 5 PACE1000 SR0092 release 7 component versions

| Description | DK Number | Version |
|---|---|---|
| Instrument main code | DK0406 | V01.05.00 |
| Instrument OS Build | DK0366 | V01.09.00 |
| Instrument Boot ROM | DK0365 | V01.03.01 |
| | | |

PACE correct operation support is only with component versions installed into the product agree with the above table.

### 5.1 Changes implemented in Instrument main code - DK0406:V01.05.00

General Bug fixed:
- Sensor status screen, incorrectly displayed 'IPSn' rather than 'IRSn' status for:
  R202S-055B-nn-4695   (750-1150mbar Grade nn) RPT Barometric sensors.
- Unidentified or Un-Programmed sensors 'Flagged' up during Power-Up.

### 5.2 Applicability of new issue

The issue of firmware should be used in production on the following series of instrument variants:
- PACE 1000

### 5.3 RELEASE DATE

4th July 2014

## 6  PACE1000 SR0092 release 6 component versions

| Description | DK Number | Version |
|---|---|---|
| Instrument main code | DK0406 | V01.04.00 |
| Instrument OS Build | DK0366 | V01.09.00 |
| Instrument Boot ROM | DK0365 | V01.03.01 |
| | | |

PACE correct operation support is only with component versions installed into the product agree with the above table.

### 6.1  Changes implemented in Instrument main code - DK0406:V01.04.00

Enhancements:
- Ability to allow 'Alias' names to each sensor range.
- Added 9 more languages.
- Support IDOS sensors as plug & play.( Hot-pluggable)
- Ability to configure TERPS sensors as Barometers sensors.
- Able to copy instrument settings to USB stick.
- Able to zero sensors via SCPI commands.
- Display additional 'pseudo' ranges as #a or #g as applicable.

General Bugs fixed:
- 'Error' fixed during transfer of large Datalog files to USB stick.
- Fixed ability to re-set TERPS (Barometer) back to Terps. abs sensor.
- High pressure sensors are now correctly recognised.
- Sensors correctly recognised during power-up.
- Able to set Ethernet Subnet Mask of 255.255.255.0

### 6.2  Applicability of new issue

The issue of firmware should be used in production on the following series of instrument variants:
- PACE 1000

### 6.3  RELEASE DATE

18$^{th}$ June 2014

# 7  PACE1000 SR0092 release 5 component versions

| Description | DK Number | Version |
|---|---|---|
| Instrument main code | DK0406 | V01.03.01 |
| Instrument OS Build | DK0366 | V01.09.00 |
| Instrument Boot ROM | DK0365 | V01.03.01 |
| | | |

PACE correct operation support is only with component versions installed into the product agree with the above table.

## 7.1  CHANGES

Instrument main code - V01.03.01

- Support Aeronautical unit's feet and metres in Airfield task.
- Adjustable Airfield Trend period.

## 7.2  APPLICABILITY OF NEW ISSUE

The issue of firmware should be used in production on the following series of instrument variants:
- PACE 1000

## 7.3  RELEASE DATE

3$^{rd}$ June 2013

## 8        PACE1000 SR0092 RELEASE 4.0 COMPONENT VERSIONS

| Description | DK Number | Version |
|---|---|---|
| Instrument main code | DK0406 | V01.02.02 |
| Instrument OS Build | DK0366 | V01.09.00 |
| Instrument Boot ROM | DK0365 | V01.03.01 |
| | | |

PACE correct operation support is only with component versions installed into the product agree with the above table.

### 8.1        CHANGES

Instrument main code - V01.02.02

- Corrected Entry for 1000 bar range in the Range Table. This is because the instrument would display 10,000 bar with a 1000 bar sensor on the range selection pages when the area of use is set to Europe.

### 8.2        APPLICABILITY OF NEW ISSUE

The issue of firmware should be used in production on the following series of instrument variants:
- PACE 1000

### 8.3        RELEASE DATE

15th May 2012

## 9       PACE1000 SR0092 RELEASE 3.0 COMPONENT VERSIONS

| Description | DK Number | Version |
|---|---|---|
| Instrument main code | DK0406 | V01.01.32 |
| Instrument OS Build | DK0366 | V01.09.00 |
| Instrument Boot ROM | DK0365 | V01.03.01 |
| | | |

PACE correct operation support is only with component versions installed into the product agree with the above table.

### 9.1       CHANGES

9.1.1       DK0365
- Change to flash memory block unlock command because of Numonyx flash memory fault
- Disable boot diagnostic output on RS232 interface to prevent problems with connected equipment

9.1.2       DK0366
- Change to flash memory block/unlock command for Numonyx flash memory fault

### 9.2       APPLICABILITY OF NEW ISSUE

The issue of firmware should be used in production on the following series of instrument variants:
- PACE 1000

### 9.3       RELEASE DATE

13th Feb 2012

## 10       PACE1000 SR0092 RELEASE 2.0 COMPONENT VERSIONS

| Description | DK Number | Version |
|---|---|---|
| Instrument main code | DK0406 | V01.01.32 |
| Instrument OS Build | DK0366 | V01.08.01 |
| Instrument Boot ROM | DK0365 | V01.02.00 |
| | | |

PACE correct operation support is only with component versions installed into the product agree with the above table.

### 10.1       CHANGES

Instrument main code - V01.01.32

- Includes Aeronautical Task
- Includes Range Compare Function
- Includes Ethernet Communications as standard
- Support for Terps Sensors
- General Bug fixes.

### 10.2       APPLICABILITY OF NEW ISSUE

The issue of firmware should be used in production on the following series of instrument variants:
- PACE 1000

### 10.3       RELEASE DATE

8$^{th}$ Dec 2011

## 11        PACE1000 SR0092 RELEASE 1.0 COMPONENT VERSIONS

| Description | DK Number | Version |
|---|---|---|
| Instrument main code | DK0406 | V01.00.00 |
| Instrument OS Build | DK0366 | V01.08.01 |
| Instrument Boot ROM | DK0365 | V01.02.00 |
| | | |

PACE correct operation support is only with component versions installed into the product agree with the above table.

### 11.1      CHANGES

N/A

### 11.2      APPLICABILITY OF NEW ISSUE

The issue of firmware should be used in production on the following series of instrument variants:
- PACE 1000

### 11.3      RELEASE DATE

15<sup>th</sup> Feb 2011