

OIML Member State
The Netherlands

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Project number 2394029
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Issuing authority
Person responsible:

NMi Certin B.V.
C. Oosterman

**Applicant and
Manufacturer**

Tokheim Sofitam Applications S.A.S part of Dover Fueling Solutions
Immeuble Le Cézanne
Paris Nord, 31 - 35 Allée des Impressionnistes
BP 45027 Villepinte
95912 Roissy Ch de Gaulle Cedex
France

**Identification of the
certified type**

A **Dispenser** for AdBlue
Type: QUANTIUM XXXX¹ AdBlue

Characteristics

See page 2 and further

This OIML Certificate is issued under scheme A

This Certificate attests the conformity of the above identified type (represented by the sample(s) identified in the OIML Type Evaluation Report) with the requirements of the following Recommendation of the International Organization of Legal Metrology (OIML):

R 117-1 (2007) "Dynamic measuring systems for liquids other than water"

Accuracy class

0,5

This Certificate relates only to the metrological and technical characteristics of the type of measuring instrument covered by the relevant OIML International Recommendation identified above. This Certificate does not bestow any form of legal international approval.

¹ XXXX" are the "frame models", where "XXXX" is a non-essential indication

Issuing Authority

NMi Certin B.V., OIML Issuing Authority NL1

6 September 2019


C. Oosterman
Head Certification Board

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Important note: Apart from the mention of the Certificate's reference number and the name of the OIML Member State in which the Certificate was issued, partial quotation of the Certificate and of the associated OIML Type Evaluation Report(s) is not permitted, although either may be reproduced in full.

The conformity was established by the results of tests and examinations provided in the associated reports:

For the measurement Transducer TM80-AdB, TQM-AdB and TQM-AL:
- No. R117/1995-NL-05.03

For the electronic calculating/indicating device TQC or TQC EIO, TQC EST:
- No. CPC/811327;
- No. NMI-11200752-1;
- No. NMI-11200752-2;
- No. NMI-13200218-01.

Note: The part item TQC VGA SBC MSI MS98E3 is not in the scope of this OIML Certificate.

For the electronic calculating/indicating device TQCL and TQCL-C:
- P147764 - DE2;
- P135196 - DE2.

Characteristics of the Dispenser

In Table 1 the general characteristics of the measuring instrument are presented.
The construction of the measuring instrument is recorded in the Documentation folder no. T10105-5.

Table 1 General characteristics

| | |
|---------------------------------|---------------------------------------|
| Minimum – maximum flow rate | 2 – 40 L/min; uni-directional |
| Minimum measured quantity | 5 L |
| Maximum pressure | 4 bar(g) |
| Accuracy class | 0,5 |
| Environmental classes | M1 / E1 |
| Ambient temperature range | -25 – +55 °C; non condensing humidity |
| Product temperature range | -10 – +55 °C |
| Intended for the measurement of | AdBlue |

Each measuring instrument consists at least of:

- One combined submerged pump or a barrel pump;
- One or more measurement transducer (meter);
- One calculating/indicating device (calculator).

The characteristics of the mentioned parts of the fuel dispenser are presented at table 3, 4 and 5.

Several installations for measuring AdBlue can be connected to one calculating/indicating device.
One submerge pump can be connected to several meters.

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The calculator/indicating device can be used as common part for several fuel- and/or LPG- dispensers and/or measuring systems for AdBlue, which are placed in the same housing.
For multi-product dispensers it is only possible to deliver one product at the same time on one side of the dispenser.

Parts of the measuring instrument

The conformity of the following parts was established by the results of tests and examinations provided in the associated reports:

| | |
|-----------------------|---|
| Part: | <u>Measurement transducer</u> |
| Producer: | Tokheim Sofitam Applications S.A.S. |
| Type: | TM80-AdB; TQM-AdB and TQM-AL |
| Documentation folder: | TC7187-1 |
| Reports: | No. R117/1995-NL-05.03; No. R117/1995-NL-01.04; No. R117/1995-NL-05.08. |

Table 2 General characteristics of the measurement transducer type TM80-AdB, TQM-AdB and TQM-AL

| | |
|---------------------------------|--|
| Flow rate range [L/min] | 2 – 40 L/min |
| MMQ | 5 L |
| Maximum pressure | 4 bar(g) |
| Environmental classes | M2 / E1 |
| Ambient temperature range | -40 °C / +55 °C |
| Product temperature range | -10 °C / +50 °C |
| Intended for the measurement of | AdBlue |
| Cyclic volume | 0,5 L |
| Rotation value outgoing shaft | 0,5 L/rev |
| Number of channels for Pulser | 2 |
| Pulse value | 100 pulses/litre for each pulser The pulse channels are shifted in phase. |

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Part: Electronic calculating/indicating device
 Producer: Tokheim Sofitam Applications S.A.S.
 Type: TQC or TQC EIO, TQC EST.
 Documentation folder: TC7497-10
 Reports: No. CPC/811327;
 No. NMI-11200752-1;
 No. NMI-11200752-2;
 No. NMI-13200218-01.

Note: The part item TQC VGA SBC MSI MS98E3 is not in the scope of this OIML Certificate.

Table 3 General characteristics of the electronic calculating/indicating device type TQC or TQC EIO, TQC EST

| | |
|---------------------------|------------------|
| Environmental classes | M2 / E1 |
| Ambient temperature range | -40 °C / +55 °C |
| Software identification | see tables below |

Software versions of the calculating and indicating type TQC or TQC EIO, TQC EST

| Software versions | Software versions | Software versions |
|-------------------|-------------------|-------------------|
| 00.006.00 | 00.006.13 | 02.000.00 |
| 00.006.03 | 00.008.08 | 02.000.04 |
| 00.006.04 | 00.008.12 | 02.002.00 |
| 00.006.06 | 01.000 | 02.003.00 |
| 00.006.08 | 01.002 | 02.005.00 |
| 03.000.07 | 04.000.18 | 04.007.00 |
| 03.001.00 | 04.005.03 | 04.008.02 |

| Software versions | Time stamp | Software versions | Time stamp |
|-------------------|------------|-------------------|------------|
| 05.000.00 | 2011/07/11 | 09.013 | 2014/06/06 |
| 05.003.01 | 2011/12/13 | 09.015 | 2014/07/16 |
| 05.006.08 | 2012/09/06 | 09.019 | 2014/10/08 |
| 05.008.00 | 2012/02/17 | 09.020 | 2014/10/24 |
| 05.008.08 | 2012/02/17 | 09.021 | 2014/11/13 |
| 06.001.12 | 2012/04/27 | 09.022 | 2014/12/11 |
| 06.002.01 | 2012/07/02 | 09.026 | 2015/04/02 |

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| | | | | |
|-----------|--------------|--|-----------|-------------|
| 07.005.00 | 2013/01/14 | | 09.029 | 2015/07/15 |
| 07.006.00 | 2013/03/11 | | 09.030 | 2015/09/16 |
| 07.007.01 | 2013/04/03 | | 10.001 | 2014/08/12 |
| 08.000.08 | 2013/05/14 | | 11.000 | 2014/12/08 |
| 08.001.00 | 2013/31/05 | | 11.001 | 2015/01/09 |
| 08.006.00 | 2013/09/20 | | 11.003 | 2015/04/10 |
| 08.009.00 | 2013/12/06 | | 11.004 | 2015/07/13 |
| 08.013 | 2014/04/04 | | 11.007 | 2015/09/23 |
| 08.014 | 2014/05/06 | | 11.008 | 2015/11/02 |
| 08.015 | 2014/06/02 | | 11.010 | 216/01/11 |
| 09.001.01 | 2013/11/01 | | 12.000 | 2015 Oct 09 |
| 09.002.00 | 2013/11/13 | | 12.001 | 2015 Nov 27 |
| 09.005.01 | 2014/01/15 | | 12.002 | Mar 4 2016 |
| 09.010.09 | 2014/01/10 | | 12.003 | Apr 07 2016 |
| 09.011 | 2014/04/02 | | 12.005.01 | Jun 23 2016 |
| 12.006 | Oct 31 2016 | | 16.001 | Oct 04 2017 |
| 13.000 | Aug 25 2015 | | 16.002 | Feb 06 2018 |
| 13.001 | Apr 28 2016 | | 17.000 | Jan 26 2018 |
| 13.003 | Sept 12 2016 | | 17.001 | Jul 02 2018 |
| 13.004 | Dec 07 2016 | | 17.002 | Nov 23 2018 |
| 13.007 | July 31 2017 | | 17.003 | Dec 19 2018 |
| 13.008 | Oct 25 2017 | | 17.003.03 | Jan 28 2019 |
| 14.000 | Oct 03 2016 | | 17.004.02 | May 1 2019 |
| 15.001 | Dec 22 2016 | | 09.200 | Nov 02 2015 |
| 15.002 | May 31 2017 | | 09.200.02 | Nov 02 2015 |
| 15.003 | Nov 28 2017 | | 09.201.01 | Jun 06 2018 |
| 15.004 | Mar 23 2018 | | 09.202.01 | Mar 01 2019 |
| 15.006 | Jul 16 2018 | | | |

The ARM-9 software contains 4 legally relevant modules

| Application name | Description | Version | Checksum |
|------------------|--|-----------|--------------------------------|
| libTqcWM.so | Calculation for "amount = unit price X volume" | 00.001.02 | 00008A76; 0x6340; 0x6350 |
| | | 01.000.07 | 0x77CA |
| | | 02.000.07 | 0xF6FF |
| | | 02.001.07 | 0xF714 |
| | | 02.003.7 | 0xF6FD |
| | | 03.000.07 | 0x464D |
| | | 04.000.07 | 0xA392 |
| | | 05.001.08 | 0x4E88 |
| | | 05.002.08 | 0x4E4F |
| | | 05.006.08 | 0x214E |
| | | 05.008.08 | 0x2842 |
| | | 06.001.08 | 0x6DA7 |
| | | 07.005.08 | 0x33A4 |
| | | 07.006.08 | 0x7F90 |
| | | 07.007.08 | 0x9D8C |
| | | 08.000.11 | 0xFC20 |
| | | 08.001.11 | 0x48DD |
| | | 08.003.11 | 0x959D |
| | | 08.006.12 | 0x62E8 |
| | | 08.009.12 | 0x3FFF |
| 08.014.12 | 0x6F99 | | |
| 08.015.12 | 0x6FA3 | | |
| 09.001.12 | 0x4514 | | |
| 09.002.12 | 0x3A6F | | |
| 09.005.12 | 0x36D2 | | |

| Application name | Description | Version | Checksum |
|------------------|-------------|-----------|----------|
| | | 09.010.12 | 0x4DD4 |
| | | 09.011.12 | 0x459D |
| | | 09.013.12 | 0x66AE |
| | | 09.019.12 | 0x6721 |
| | | 10.001.12 | 0x7E72 |
| | | 09.021.12 | 0x66C2 |
| | | 11.000.12 | 0x4ACC |
| | | 09.026.12 | 0x7566 |
| | | 11.003.12 | 0x2C2D |
| | | 09.029.12 | 0x7573 |
| | | 11.004.12 | 0x0F6D |
| | | 09.030.12 | 0x756D |
| | | 11.007.12 | 0x107A |
| | | 12.000.12 | 0x1766 |
| | | 11.008.12 | 0x1516 |
| | | 12.001.12 | 0x787D |
| | | 11.010.12 | 0x1505 |
| | | 13.000.13 | 0x6A05 |
| | | 12.003.12 | 0x175D |
| | | 13.001.13 | 0x4A86 |
| | | 13.003.13 | 0x4A81 |
| | | 15.002.13 | 0x58BD |
| | | 13.008.13 | 0x42D9 |

| Application name | Description | Version | Checksum |
|------------------|--------------------------------------|-----------|-------------------|
| DisplayHdl.Arm | Interface to the CSD and VGA Manager | 00.001.04 | 0000C316 |
| | | 00.006.09 | 0xCB52; 0x5EDC |
| | | 00.006.10 | 0x949A |
| | | 00.006.11 | 0x7B46 |
| | | 01.000.15 | 0xFD62 |
| | | 02.000.16 | 0xFF74 |
| | | 02.001.16 | 0xFF8C |
| | | 02.003.16 | 0xFF6E |
| | | 03.000.17 | 0x2EFF |
| | | 04.000.19 | 0x3EE3 |
| | | 05.001.23 | 0x4C86 |
| | | 05.002.23 | 0x4B37 |
| | | 05.006.24 | 0x15E5 |
| | | 05.008.25 | 0x5C87 |
| | | 06.001.25 | 0x9564 |
| | | 07.005.27 | 0xE17E |
| | | 07.006.27 | 0x3329 |
| | | 07.007.27 | 0x86D9 |
| | | 08.000.29 | 0xDD3E |
| | | 08.001.30 | 0x3913 |
| 08.003.30 | 0xD35D | | |
| 08.006.30 | 0xE67E | | |
| 08.009.30 | 0xEFE9 | | |
| 08.013.31 | 0x6C72 | | |
| 08.014.31 | 0x7B8E | | |
| 08.015.34 | 0x30FA | | |

| Application name | Description | Version | Checksum |
|------------------|-------------|-----------|----------|
| | | 09.001.35 | 0x18E6 |
| | | 09.002.36 | 0x225D |
| | | 09.005.36 | 0x116B |
| | | 09.010.37 | 0x524C |
| | | 09.011.38 | 0x69D6 |
| | | 09.013.41 | 0x78BB |
| | | 09.019.44 | 0xC886 |
| | | 10.001.41 | 0x2F69 |
| | | 09.021.44 | 0xC7FA |
| | | 11.00048 | 0x196D |
| | | 09.026.45 | 0x2A1D |
| | | 11.003.50 | 0x2A02 |
| | | 09.029.45 | 0x2A1E |
| | | 11.004.50 | 0x3166 |
| | | 09.030.45 | 0x2A21 |
| | | 11.007.50 | 0x6B43 |
| | | 12.000.51 | 0x9CD7 |
| | | 11.008.50 | 0x44C4 |
| | | 12.001.51 | 0xDD35 |
| | | 11.010.50 | 0x44BA |
| | | 13.000.57 | 0x0325 |
| | | 12.003.52 | 0xAE5A |
| | | 13.001.57 | 0x11E8 |
| | | 13.003.57 | 0x11DE |
| | | 13.008.57 | 0xE28F |

| Application name | Description | Version | Checksum |
|------------------|------------------------------|-----------|----------|
| VgaMgr.Arm | Interface to the VGA display | 00.006.31 | 00005616 |
| | | 00.006.32 | 0x2F17 |
| | | 00.006.33 | 0x4BB6 |
| | | 00.006.38 | 0xBDC6 |
| | | 00.006.41 | 0x6867 |
| | | 00.006.42 | 0x4C25 |
| | | 01.000.59 | 0xE851 |
| | | 02.000.60 | 0x6084 |
| | | 02.003.60 | 0x6084 |
| | | 03.000.60 | 0x62E8 |
| | | 04.000.67 | 0xEF76 |
| | | 05.001.74 | 0x4515 |
| | | 05.003.75 | 0xEE2D |
| | | 05.006.75 | 0x9890 |
| | | 05.008.77 | 0x62EB |
| | | 06.001.77 | 0xB899 |
| | | 07.005.81 | 0x3FF8 |
| | | 07.006.81 | 0xE268 |
| | | 07.007.82 | 0x7884 |
| | | 08.000.93 | 0x4882 |
| | | 08.001.94 | 0x2A7D |
| | | 08.003.95 | 0xAD99 |
| | | 08.006.96 | 0xD12C |
| 08.009.96 | 0xAB5A | | |
| 08.013.97 | 0x9074 | | |
| 08.014.97 | 0xC1D3 | | |
| 08.015.97 | 0xC1D5 | | |

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|--|-----------|--------|
| | 09.001.05 | 0x473F |
| | 09.002.06 | 0x4AB0 |
| | 09.005.06 | 0x77EE |
| | 09.010.07 | 0xCB46 |
| | 09.011.08 | 0x5692 |
| | 09.013.09 | 0x2F6E |
| | 09.019.10 | 0x5020 |
| | 10.001.11 | 0xCFD1 |
| | 09.021.10 | 0x4F5F |
| | 09.022.11 | 0x35F8 |
| | 11.010.25 | 0xFE6C |
| | 11.000.13 | 0xD1F5 |
| | 11.001.15 | 0xC9DB |
| | 09.026.11 | 0x3C87 |
| | 11.003.17 | 0xCA3A |
| | 09.029.13 | 0xD202 |
| | 11.004.19 | 0xC937 |
| | 09.030.15 | 0xC49D |
| | 11.007.21 | 0x382E |
| | 12.000.25 | 0x175B |
| | 11.008.24 | 0x154A |
| | 12.001.28 | 0x8C28 |
| | 11.010.25 | 0xFE6C |
| | 12.002.29 | 0x7C76 |
| | 13.000.31 | 0x36A3 |
| | 12.003.29 | 0x7C7E |
| | 13.001.31 | 0x0984 |
| | 13.003.31 | 0x097C |

| | | | |
|--|--|-----------|--------|
| | | 13.008.31 | 0x278B |
|--|--|-----------|--------|

| Application name | Description | Version | Checksum | | |
|------------------|------------------------------------|-----------|-----------|-----------|--------|
| IFSF_srv.Arm | TCP IFSF pump controller interface | 00.000.02 | 0x0B06 | | |
| | | 00.000.03 | 0x0C41 | | |
| | | 00.000.03 | 0x0E39 *) | | |
| | | 00.000.03 | 0x253B *) | | |
| | | 00.000.04 | 0xDB3D | | |
| | | 00.000.04 | 0x0909 *) | | |
| | | 00.000.05 | 0x23EF | | |
| | | 00.000.05 | 0x2D62 *) | | |
| | | 00.000.05 | 0x60B6 *) | | |
| | | 00.000.05 | 0x50DC *) | | |
| | | 00.000.05 | 0x3455 *) | | |
| | | 00.000.05 | 0x5011 *) | | |
| | | 00.000.05 | 0x46CE *) | | |
| | | 00.000.05 | 0x46D9 *) | | |
| | | 00.000.05 | 0x4537 *) | | |
| | | 00.000.05 | 0x687B *) | | |
| | | 00.000.05 | 0x687C *) | | |
| | | 00.000.05 | 0x55C1 *) | | |
| | | | | 10.001.06 | 0x657A |
| | | | | 11.000.48 | 0xE7E7 |
| | | 09.026.09 | 0x0DD5 | | |
| | | 11.003.09 | 0xCD6C | | |
| | | 09.029.09 | 0x0DD8 | | |
| | | 11.004.09 | 0xCDC3 | | |
| | | 09.030.09 | 0x0DD4 | | |

| Application name | Description | Version | Checksum |
|------------------|-------------|-----------|----------|
| | | 11.007.09 | 0xDCD9 |
| | | 12.000.09 | 0xC561 |
| | | 11.008.09 | 0xCC1C |
| | | 12.001.09 | 0xC702 |
| | | 11.010.09 | 0xCC08 |
| | | 13.000.11 | 0x7755 |
| | | 12.003.09 | 0xC561 |
| | | 13.001.11 | 0x82DC |
| | | 13.003.12 | 0x231C |
| | | 13.008.15 | 0x8697 |

*) New comp compilation of otherwise identical version has lead to a different timestamp and therefore to a changed checksum.

The Sitara software contains 4 legally relevant modules

| Application name | Description | Version | Checksum |
|---|---|-----------|----------|
| libTqcWM.so.Sit Visible as: libTqcWM.so | Calculation for "amount = unit price X volume" | 08.001.11 | 0x0247 |
| | | 08.003.11 | 0x0253 |
| | | 08.006.12 | 0x599F |
| | | 08.009.12 | 0x598C |
| | | 08.014.12 | 0x598D |
| | | 08.015.12 | 0x5996 |
| | | 09.001.12 | 0xFF2F |
| | | 09.002.12 | 0x57EC |
| | | 09.004.12 | 0x57CB |
| | | 09.005.12 | 0x57DA |
| | | 09.010.12 | 0x57CE |
| | | 09.011.12 | 0x57CD |

| Application name | Description | Version | Checksum |
|------------------|-------------|-----------|----------|
| | | 09.013.12 | 0x57DE |
| | | 09.019.12 | 0x57EE |
| | | 10.001.12 | 0x57C3 |
| | | 09.021.12 | 0x57F4 |
| | | 11.000.12 | 0x7B63 |
| | | 09.026.12 | 0x57F4 |
| | | 11.003.12 | 0x7874 |
| | | 09.029.12 | 0x57E2 |
| | | 11.004.12 | 0x7888 |
| | | 09.030.12 | 0x57EE |
| | | 11.007.12 | 0x7878 |
| | | 12.000.12 | 0x788D |
| | | 11.008.12 | 0x787D |
| | | 12.002.12 | 0x7891 |
| | | 11.010.12 | 0x786C |
| | | 13.000.13 | 0x4D71 |
| | | 12.003.12 | 0x788E |
| | | 13.001.13 | 0x4D44 |
| | | 13.003.13 | 0x4D3A |
| | | 14.000.13 | 0x4D85 |
| | | 15.001.13 | 0x53FB |
| | | 13.008.13 | 0x4D4B |
| | | 16.001.13 | 0x5422 |
| | | 15.003.13 | 0x58D0 |
| | | 16.002.13 | 0x5842 |
| | | 15.004.13 | 0x584E |
| | | 17.001.13 | 0x57FA |

| Application name | Description | Version | Checksum |
|------------------|-------------|-----------|----------|
| | | 15.006.13 | 0x580D |
| | | 09.200.13 | 0x57DF |
| | | 17.002.13 | 0x5865 |
| | | 17.003.13 | 0x5853 |

| Application name | Description | Version | Checksum |
|---|---|-----------|----------|
| DisplayHdl.Sit Visible as: DisplayHdl.Arm | Interface to the CSD and VGA Manager | 08.001.30 | 0xDCA0 |
| | | 08.003.30 | 0xDCA0 |
| | | 08.006.30 | 0x3392 |
| | | 08.009.30 | 0x337F |
| | | 08.013.31 | 0x583B |
| | | 08.014.31 | 0x5829 |
| | | 08.015.34 | 0x4C8C |
| | | 09.001.35 | 0xDB2C |
| | | 09.002.36 | 0x3DA4 |
| | | 09.004.36 | 0x3D79 |
| | | 09.005.36 | 0x3D8C |
| | | 09.010.37 | 0x4DB8 |
| | | 09.011.38 | 0x84B9 |
| | | 09.013.41 | 0xA9BC |
| | | 09.019.44 | 0x8256 |
| | | 10.001.41 | 0x3FE2 |
| | | 09.021.44 | 0x826C |
| 11.000.48 | 0x4791 | | |
| 09.026.45 | 0xDD3C | | |
| 11.003.50 | 0x66B6 | | |
| 09.029.45 | 0xDD48 | | |

| Application name | Description | Version | Checksum |
|------------------|-------------|-----------|----------|
| | | 11.004.50 | 0x66BF |
| | | 09.030.45 | 0xDD4B |
| | | 11.007.50 | 0x66B2 |
| | | 12.000.51 | 0x9CD7 |
| | | 11.008.50 | 0x66B6 |
| | | 12.001.51 | 0x5350 |
| | | 11.010.50 | 0x66AC |
| | | 13.000.57 | 0xDE04 |
| | | 12.003.52 | 0x6451 |
| | | 13.001.57 | 0xDDBE |
| | | 13.003.57 | 0xDDB6 |
| | | 14.000.60 | 0x3AA2 |
| | | 15.001.60 | 0x2E95 |
| | | 15.002.60 | 0x2E41 |
| | | 13.008.57 | 0xDDB6 |
| | | 16.001.61 | 0x374E |
| | | 15.003.61 | 0x370B |
| | | 16.002.61 | 0x3740 |
| | | 15.004.61 | 0x3745 |
| | | 17.001.61 | 0x36FC |
| | | 15.006.62 | 0x629E |
| | | 09.200.04 | 0xCF30 |
| | | 17.002.62 | 0x62FD |
| | | 17.003.64 | 0xC2C0 |

| Application name | Description | Version | Checksum |
|---|------------------------------|-----------|----------|
| VgaMgr.Sit Visible as: VgaMgr.Arm | Interface to the VGA display | 08.001.94 | 0xF94F |
| | | 08.003.95 | 0x1126 |
| | | 08.006.96 | 0x7B9E |
| | | 08.009.96 | 0x7B80 |
| | | 08.013.97 | 0x828B |
| | | 08.014.97 | 0x8279 |
| | | 08.015.97 | 0x827E |
| | | 09.001.05 | 0xFA40 |
| | | 09.002.06 | 0xCDEC |
| | | 09.004.06 | 0xCDC4 |
| | | 09.005.06 | 0xCDCE |
| | | 09.010.07 | 0x735C |
| | | 09.011.08 | 0x84CB |
| | | 09.013.09 | 0x805F |
| | | 09.019.10 | 0x6D6A |
| | | 10.001.11 | 0xAE2D |
| | | 09.021.10 | 0x6D8B |
| | | 09.022.11 | 0x9F5D |
| | | 11.000.13 | 0x923E |
| | | 11.001.15 | 0x8F4C |
| 09.026.11 | 0x9F76 | | |
| 11.003.17 | 0x88DC | | |
| 09.029.13 | 0x5221 | | |
| 11.004.19 | 0xAB93 | | |
| 09.030.15 | 0x877B | | |
| 11.007.21 | 0xE7FA | | |

| Application name | Description | Version | Checksum |
|------------------|-------------|-----------|----------|
| | | 12.000.25 | 0xCD33 |
| | | 11.008.24 | 0xC4A4 |
| | | 12.001.28 | 0xA8D0 |
| | | 11.010.25 | 0xA569 |
| | | 12.002.29 | 0xA2A2 |
| | | 13.000.31 | 0x491D |
| | | 12.003.29 | 0xA2AB |
| | | 13.001.31 | 0x48C9 |
| | | 13.003.31 | 0x48C1 |
| | | 14.000.36 | 0x4CD8 |
| | | 15.001.36 | 0x3E42 |
| | | 15.002.37 | 0x349F |
| | | 13.008.31 | 0x48C2 |
| | | 16.001.39 | 0x3B7A |
| | | 15.003.37 | 0x4A89 |
| | | 16.002.40 | 0x1F37 |
| | | 15.004.38 | 0x413B |
| | | 17.001.43 | 0x88EB |
| | | 15.006.40 | 0xB668 |
| | | 09.200.05 | 0xB46A |
| | | 17.002.44 | 0x8972 |
| | | 17.003.44 | 0x8969 |

| Application name | Description | Version | Checksum |
|---|------------------------------------|-----------|-----------|
| IFSF_srv.Sit Visible as: IFSF_srv.Arm | TCP IFSF pump controller interface | 00.000.05 | 0x8562 |
| | | 00.000.05 | 0x8565 *) |
| | | 00.000.05 | 0x855F *) |

| Application name | Description | Version | Checksum |
|------------------|-------------|-----------|-----------|
| | | 00.000.05 | 0x3C1E *) |
| | | 00.000.05 | 0x3C29 *) |
| | | 00.000.05 | 0x8546 *) |
| | | 00.000.05 | 0x3C05 *) |
| | | 00.000.05 | 0x3C0F *) |
| | | 00.000.05 | 0x3C0A *) |
| | | 00.000.05 | 0x3C05 *) |
| | | 00.000.05 | 0x8551 *) |
| | | 00.000.05 | 0x855A *) |
| | | 00.000.05 | 0x3C17 *) |
| | | 10.001.06 | 0x8746 *) |
| | | 11.000.06 | 0x8FF1 |
| | | 09.026.09 | 0xA30D |
| | | 11.003.09 | 0xB02D |
| | | 09.029.09 | 0xA312 |
| | | 11.004.09 | 0xB034 |
| | | 09.030.09 | 0xA309 |
| | | 11.007.21 | 0xB023 |
| | | 12.000.09 | 0xAED7 |
| | | 11.008.09 | 0xB031 |
| | | 12.001.09 | 0xAED4 |
| | | 11.010.09 | 0xB018 |
| | | 13.000.11 | 0x1B93 |
| | | 12.003.09 | 0xAEDA |
| | | 13.001.11 | 0x1B77 |
| | | 13.003.12 | 0xCBE6 |
| | | 14.000.12 | 0xCC0C |

| Application name | Description | Version | Checksum |
|------------------|-------------|-----------|----------|
| | | 15.001.12 | 0x8996 |
| | | 15.002.12 | 0x8978 |
| | | 13.008.15 | 0x2EF5 |
| | | 16.001.15 | 0x2087 |
| | | 15.003.15 | 0x2076 |
| | | 16.002.17 | 0x2CBB |
| | | 15.004.19 | 0xE650 |
| | | 17.001.19 | 0xE5E9 |
| | | 15.006.19 | 0xE5EE |
| | | 17.002.19 | 0xE654 |
| | | 17.003.19 | 0xE638 |

*) New compilation of otherwise identical version has led to a different timestamp and therefore to a changed checksum.

Pre-processor (PP) software (for TQC and TQC EIO; TQC is identical to TQC EIO)

| Application name | Description | Version | Checksum |
|------------------|----------------------|-----------|----------|
| PP | Pre-processor module | 00.001.31 | 0000454F |
| | | 00.006.42 | 0xBB57 |
| | | 00.006.44 | 0x1E45 |
| | | 01.000.50 | 0xA9A4 |
| | | 02.000.52 | 0x5E8F |
| | | 03.000.54 | 0xA7C4 |
| | | 05.000.58 | 0xBF07 |
| | | 05.000.65 | 0x8CC9 |
| | | 06.000.68 | 0xE1FB |
| | | 06.000.70 | 0x1DC9 |
| | | 07.000.73 | 0x85F4 |

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| Application name | Description | Version | Checksum |
|------------------|-------------|-----------|----------|
| | | 07.001.75 | 0xCC80 |
| | | 07.003.76 | 0xEE38 |
| | | 08.000.81 | 0x4560 |
| | | 09.001.84 | 0xA191 |
| | | 09.002.86 | 0xBCE2 |
| | | 12.000.90 | 0xF49E |
| | | 12.000.91 | 0xC24B |
| | | 13.000.92 | 0x1B52 |

Pre-processor (PPC) software (for TQC and TQC EIO; TQC is identical to TQC EIO)

| Application name | Description | Version | Checksum |
|------------------|----------------------|-----------|----------|
| PPC | Pre-processor module | 06.000.68 | 0xDD4F |
| | | 06.001.72 | 0x8C3F |
| | | 07.000.73 | 0x961F |
| | | 07.003.76 | 0xA572 |
| | | 08.000.81 | 0xC282 |
| | | 09.001.85 | 0x4574 |
| | | 09.002.86 | 0x5BF0 |
| | | 12.000.90 | 0x2074 |
| | | 12.000.91 | 0x1336 |
| | | 13.000.92 | 0xBB2A |

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Pre-processor (PPE) software

| Application name | Description | Version | Checksum |
|------------------|----------------------|-----------|----------|
| PPE | Pre-processor module | 05.000.58 | 0x39B8 |
| | | 06.000.68 | 0xDD4F |
| | | 06.001.72 | 0xEECD |
| | | 07.001.75 | 0x6FB5 |
| | | 07.003.76 | 0x86E5 |
| | | 08.000.81 | 0xC9F5 |

Pre-processor (PPCE) software

| Application name | Description | Version | Checksum |
|------------------|----------------------|-----------|----------|
| PPCE | Pre-processor module | 06.000.68 | 0xE2A7 |
| | | 06.001.72 | 0x4C5E |
| | | 08.000.81 | 0xDEd9 |

ST software (only for the TQC EST)

| Application name | Description | Version | Checksum |
|------------------|----------------------|-----------|----------|
| ST | Single twin software | 05.001.05 | 0x0327 |
| | | 06.001.08 | 0xE199 |
| | | 07.001.16 | 0x8E6E |
| | | 08.000.19 | 0xCC84 |
| | | 08.000.20 | 0xCCA7 |
| | | 08.000.24 | 0x9145 |
| | | 08.000.26 | 0x5DA3 |
| | | 08.000.28 | 0x65B0 |
| | | 08.001.30 | 0x3ECE |
| | | 08.002.33 | 0x0F59 |
| | | 09.001.37 | 0x6A35 |

| Application name | Description | Version | Checksum |
|------------------|-------------|-----------|----------|
| | | 11.000.30 | 0xAA5C |
| | | 12.000.40 | 0x8537 |
| | | 12.000.41 | 0x8B56 |
| | | 12.000.42 | 0xB548 |
| | | 12.000.44 | 0x5BC7 |
| | | 12.000.43 | 0x5E85 |
| | | 13.000.45 | 0xD558 |

STE software (only for the TQC EST)

| Application name | Description | Version | Checksum |
|------------------|----------------------|-----------|----------|
| STE | Single twin software | 05.001.05 | 0xFDC5 |
| | | 06.000.06 | 0xEB9C |
| | | 06.001.08 | 0x34A5 |
| | | 07.001.15 | 0xCDE0 |
| | | 08.000.19 | 0xCDE0 |
| | | 08.000.20 | 0x1FDF |
| | | 08.001.30 | 0xFE89 |

Indicating devices software

| Application name | Description | Version | Checksum |
|------------------|-----------------------|-----------|----------|
| CSD | CAN based LCD display | 00.001.03 | 00008671 |
| | | 00.006.15 | 0xD83B |
| | | 02.000.27 | 0x6FF3 |
| | | 03.000.30 | 0xEF7A |
| | | 05.001.38 | 0xA1FA |
| | | 05.000.39 | 0x97E3 |

| Application name | Description | Version | Checksum |
|------------------|--|-----------|----------|
| | | 05.001.39 | 0x97E3 |
| | | 06.00040 | 0x1F6F |
| | | 07.001.42 | 0x6B6B |
| | | 08.001.45 | 0xC92E |
| | | 08.001.46 | 0x0A31 |
| | | 09.010.47 | 0x2478 |
| | | 10.000.48 | 0x1E28 |
| CSDC | CAN based LCD display (Cortex based) | 05.001.11 | 0xDEE3 |
| | | 06.001.15 | 0xC2DB |
| | | 07.000.16 | 0x7F74 |
| | | 07.001.17 | 0x550E |
| | | 07.002.18 | 0xFC01 |
| | | 08.002.22 | 0xB0A8 |
| | | 08.000.23 | 0x8952 |
| | | 09.001.25 | 0x92C7 |
| | | 10.000.26 | 0x9AE8 |
| | | 11.000.32 | 0x5ACA |
| | | 12.000.33 | 0x4470 |
| | | 15.001.37 | 0x8450 |
| CSDF | CAN based LCD display (Freescale based) | 08.000.12 | 0xC538 |
| | | 09.000.13 | 0xE7F4 |
| | | 10.000.15 | 0x0C8D |
| | | 10.000.16 | 0x71C4 |
| | | 10.000.17 | 0x70B8 |
| | | 10.000.22 | 0x0CD3 |
| CSDF | CAN based LCD display (Freescale based) | 11.000.24 | 0x44F7 |
| | | 12.000.25 | 0x33A7 |

| Application name | Description | Version | Checksum |
|------------------|---------------------------------|-----------|------------|
| | | 15.001.26 | 0x3CBE |
| VGA | VGA screen (Ethernet connected) | 00.008.00 | 0x3B551A95 |
| | | 00.008.04 | 0xC74AAB23 |
| | | 00.008.08 | 0x97CB865A |
| | | 00.008.12 | 0x2764D6EB |
| | | 00.001.04 | 0x70C7E761 |
| | | 01.000.00 | 0x8331D612 |
| | | 02.000.00 | 0x480A82DD |
| | | 04.000.03 | 0xE1D2A9C7 |
| | | 04.001.00 | 0x3475B699 |
| | | 05.001.00 | 0x1A30F1FB |
| | | 05.002.00 | 0xEFA10201 |
| | | 05.003.00 | 0x30CBA253 |
| | | 05.005.00 | 0x870E5B36 |
| | | 05.008.00 | 0xD30A4F70 |
| | | 07.002.02 | 0xFC2DD913 |
| | | 07.002.03 | 0x6064E1CD |
| | | 08.000.07 | 0x9DEA3BD9 |
| | | 08.002.02 | 0xB1F35FDF |
| | | 09.001.02 | 0x4FED57BF |
| | | 09.002.00 | 0x1E28ED0C |
| 09.004.01 | 0xE052CD28 | | |
| 09.005.02 | 0x490F6756 | | |
| 11.000.01 | 0x53165CB4 | | |
| 11.002.00 | 0x77A6D887 | | |
| 09.007.01 | 0xE3A7AD79 | | |
| 11.002.01 | 0xE2E9BD14 | | |

| Application name | Description | Version | Checksum |
|------------------|-------------|-----------|------------|
| | | 11.004.02 | 0x6F71D489 |
| | | 09.008.01 | 0x085AC94E |
| | | 12.001.00 | 0x8528DC0B |
| | | 13.000.11 | 0xD4D2F9A2 |
| | | 13.005.01 | 0xD43DD09A |
| | | 13.007.00 | 0xA5FBECF1 |
| | | 13.010.05 | 0xC24D2E43 |
| | | 13.011.03 | 0x8842219A |
| | | 13.012.02 | 0x075CE65C |
| | | 14.000.04 | 0x8985218B |
| | | 14.001.02 | 0x66B67E9C |
| | | 13.013.02 | 0xA27AD4C7 |
| | | 13.014.02 | 0xED59A297 |
| | | 16.002.03 | 0x36C7B865 |
| | | 17.000.01 | 0xAEE6972D |
| | | 17.000.02 | 0xF60325B2 |
| | | 17.001.01 | 0xEE2A90B1 |
| | | 17.004.01 | 0xDB1614E6 |
| | | 17.006.01 | 0xFB06D9F8 |
| | | 17.006.02 | 0x23821894 |
| | | 17.007.02 | 0x2DBA2E97 |
| | | 17.008.02 | 0x5E26B557 |

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TQC-MPC3/4/5/6 and TQC-MPL3/4/5/6 impulse encoder software

| Version | Checksum |
|-----------|----------|
| 00.001.15 | 00006371 |
| 00.006.20 | 0x5115 |
| 00.007.23 | 0x2885 |
| 01.000.27 | 0x38FD |
| 02.000.28 | 0x86E4 |
| 05.000.32 | 0xED33 |
| 05.001.36 | 0x5C26 |
| 06.000.37 | 0x7363 |
| 06.001.42 | 0xF786 |
| 07.001.44 | 0x768C |
| 07.001.17 | 0x4781 |
| 07.003.48 | 0x5326 |
| 12.000.50 | 0xC32C |
| 14.000.53 | 0x162A |

TQC-MPCE impulse encoder software (applies to impulse encoders TQC-MPC3 and TQC-MPL3).

| Version | Checksum |
|-----------|----------|
| 05.000.32 | 0x0930 |
| 05.000.37 | 0x9D66 |
| 06.001.42 | 0xF362 |
| 07.001.44 | 0x87A7 |
| 08.001.54 | 0x5941 |

TQC-MPCC impulse encoder software (applies to impulse encoder TQC-MPC5)

| Version | Checksum |
|-----------|----------|
| 05.001.36 | 0x653F |
| 06.000.37 | 0x800B |
| 06.001.42 | 0x6D8F |

| Version | Checksum |
|-----------|----------|
| 07.001.44 | 0xDF32 |
| 07.003.48 | 0xAE94 |
| 08.001.54 | 0x327C |
| 08.002.55 | 0x73DA |
| 08.002.56 | 0x9611 |
| 09.000.57 | 0xA0DF |
| 09.001.58 | 0x5869 |
| 12.000.63 | 0x9689 |
| 14.000.69 | 0xCA13 |

TQC-MPCCE impulse encoder software (applies to impulse encoder TQC-MPC5)

| Version | Checksum |
|-----------|----------|
| 06.000.37 | 0x9225 |
| 06.001.42 | 0x1B1F |
| 07.001.44 | 0x5851 |

TQC-MPCM impulse encoder software (applies to impulse encoders TQC-MPC6 and TQC-MPL6)

| Version | Checksum |
|-----------|----------|
| 08.001.54 | 0xAC9B |
| 08.002.56 | 0x37BC |
| 09.010.58 | 0x764B |
| 10.000.61 | 0x33DB |
| 12.000.63 | 0xE009 |
| 14.000.69 | 0xE7A4 |

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Communication interface software
DART interface.

| Version | Checksum |
|-----------|----------|
| 09.001.04 | 0xC7D6 |
| 10.000.07 | 0x7A7C |
| 11.000.08 | 0x9C54 |
| 12.000.09 | 0xE534 |
| 15.000.11 | 0x9856 |
| 18.000.16 | 0x3C6C |

DUN interface.

| Version | Checksum |
|-----------|----------|
| 10.000.07 | 0x6DA0 |
| 11.000.08 | 0x700F |

EIN interface.

| Version | Checksum |
|-----------|----------|
| 00.007.04 | 0x029D |
| 02.000.07 | 0x6E4A |
| 02.000.13 | 0x9638 |
| 03.000.14 | 0x28BA |
| 05.000.17 | 0x9393 |
| 05.001.21 | 0xF69F |
| 05.001.23 | 0x3C15 |
| 06.000.24 | 0xD624 |
| 07.001.26 | 0x43C8 |
| 07.003.29 | 0xF503 |
| 08.000.30 | 0x999D |
| 08.000.31 | 0xB332 |

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| Version | Checksum |
|-----------|----------|
| 08.000.32 | 0xB0E9 |
| 14.000.35 | 0xF11D |
| 18.000.37 | 0xA526 |

EPS / Dresser interface.

| Version | Checksum |
|-----------|----------|
| 05.000.06 | 0x3ED7 |
| 05.000.12 | 0xB6B7 |
| 05.000.14 | 0x3908 |
| 05.001.16 | 0xD7A5 |
| 06.001.20 | 0x10D8 |
| 07.001.21 | 0x11AF |
| 07.001.22 | 0x45BA |
| 07.002.03 | 0xB3DA |
| 08.001.24 | 0x6AE0 |
| 08.003.26 | 0xB3DA |
| 10.000.27 | 0xF6C2 |
| 13.000.29 | 0xB814 |
| 13.000.32 | 0xCB05 |
| 13.000.36 | 0xDCEA |
| 09.200.05 | 0x3FA7 |
| 09.200.39 | 0x5BFF |
| 09.202.40 | 0x5C31 |

GIL interface.

| Version | Checksum |
|-----------|----------|
| 07.000.00 | 0xB2DE |
| 07.002.03 | 0xB2CF |

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| Version | Checksum |
|-----------|----------|
| 08.000.04 | 0x65F6 |
| 08.003.04 | 0x0BBB |
| 09.000.08 | 0x71B5 |
| 09.001.10 | 0x18A6 |
| 09.030.12 | 0xEAE2 |
| 10.000.14 | 0x7712 |

KNZL(Kienzle) interface.

| Version | Checksum |
|-----------|----------|
| 08.000.03 | 0x69B9 |
| 08.000.04 | 0x65F6 |
| 08.001.05 | 0x1C06 |
| 09.030.08 | 0x965D |
| 10.000.09 | 0x3773 |
| 14.000.11 | 0x5F4C |

LOG (Logitron) interface.

| Version | Checksum |
|-----------|----------|
| 03.000.03 | 0xB7F7 |
| 05.000.11 | 0x4A98 |
| 05.001.14 | 0x5E7A |
| 06.001.16 | 0x1D18 |
| 07.001.17 | 0x4781 |
| 08.003.18 | 0xC926 |
| 09.000.20 | 0xCC55 |
| 09.030.23 | 0x3D93 |
| 10.000.25 | 0x2DFD |
| 10.000.26 | 0xB761 |

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| Version | Checksum |
|-----------|----------|
| 10.000.27 | 0xB574 |
| 11.000.28 | 0xDAE1 |
| 12.000.29 | 0xE51D |
| 12.000.30 | 0x77ED |
| 12.000.31 | 0x13CC |
| 12.000.33 | 0x3B0C |
| 12.000.37 | 0x2831 |
| 12.000.39 | 0x11A5 |
| 13.000.41 | 0x3040 |
| 13.000.42 | 0x9BFE |

TQC-LON interface.

| Version | Checksum |
|-----------|----------|
| 00.001.06 | 0000AEDB |
| 00.001.10 | 0xA7D7 |
| 02.00014 | 0xF4F6 |
| 03.000.16 | 0x9291 |
| 04.000.18 | 0x92C8 |
| 07.001.22 | 0x92C8 |

TQC-LONC interface.

| Version | Checksum |
|-----------|----------|
| 05.000.14 | 0xACEA |
| 05.000.15 | 0xBAD8 |
| 06.001.21 | 0x108B |
| 07.001.23 | 0xD669 |
| 08.000.26 | 0x48A9 |

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| Version | Checksum |
|-----------|----------|
| 09.001.27 | 0x40A1 |
| 09.010.28 | 0x4093 |
| 11.000.30 | 0x3F1D |
| 11.000.33 | 0x5E75 |
| 13.000.35 | 0xC73F |
| 13.000.35 | 0xC183 |
| 15.001.37 | 0xD6B8 |

NUPC (Nuovo Pignone) interface.

| Version | Checksum |
|-----------|----------|
| 08.000.02 | 0xFF73 |
| 08.001.04 | 0xA807 |
| 09.001.06 | 0x85F3 |
| 09.000.05 | 0xE78F |
| 09.001.06 | 0x85F3 |

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UDC interface.

| Version | Checksum |
|-----------|----------|
| 03.000.12 | 0x122D |
| 03.000.15 | 0x35C7 |
| 04.000.19 | 0x51F5 |
| 05.000.23 | 0xF75A |
| 05.000.25 | 0x996B |
| 05.000.26 | 0x9973 |
| 05.000.29 | 0x51C8 |
| 05.001.37 | 0x1C50 |
| 05.001.38 | 0x211C |
| 06.001.43 | 0x9725 |
| 07.001.45 | 0xF709 |
| 07.002.50 | 0xFEE9 |
| 08.000.54 | 0x42F9 |
| 08.000.56 | 0xA2BB |
| 08.003.59 | 0xE568 |
| 09.001.63 | 0x95DE |
| 09.030.65 | 0xAE0D |
| 10.000.67 | 0x2BD8 |
| 10.000.71 | 0xD2F5 |
| 11.000.72 | 0x32C9 |
| 11.000.73 | 0xE212 |
| 12.000.75 | 0x3888 |
| 12.000.82 | 0x31AF |
| 13.000.83 | 0xEAC1 |
| 15.000.90 | 0x5661 |

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UDCC interface.

| Version | Checksum |
|-----------|----------|
| 06.000.41 | 0x5FCF |
| 07.001.45 | 0xC267 |

ZSR interface.

| Version | Checksum |
|-----------|----------|
| 05.000.06 | 0x15F7 |
| 05.001.09 | 0xC28D |
| 06.000.10 | 0x3DDB |
| 07.001.11 | 0x2A15 |
| 08.000.19 | 0xC1EC |
| 08.000.21 | 0xBB47 |
| 08.000.22 | 0xADBB |
| 08.000.23 | 0xADA5 |
| 08.000.24 | 0x59DB |
| 09.001.26 | 0x69B5 |
| 10.000.28 | 0x8F0D |
| 10.000.29 | 0x52CF |
| 11.000.30 | 0x8DF0 |
| 11.000.31 | 0x48C4 |
| 12.000.32 | 0x48EA |
| 16.001.34 | 0x41DA |

TCDU Software

| Version | Checksum |
|-----------|------------|
| 09.007.01 | 0xA2924B37 |
| 09.010.01 | 0x115C5ACC |

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DWCL Pump Controller Interface

| Version | Checksum |
|-----------|----------|
| 12.000.02 | 0x3DA8 |
| 13.000.03 | 0x7DE2 |
| 13.000.04 | 0x03FC |

M3000 Pump Controller Interface

| Version | Checksum |
|-----------|----------|
| 13.000.02 | 0xABB1 |
| 13.000.03 | 0xAC9F |
| 15.000.04 | 0xA866 |
| 18.000.05 | 0xAB1D |

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Part: Electronic Calculating/indicating device
 Producer: Tokheim Sofitam Applications S.A.S.
 Type: TQCL and TQCL-C
 Documentation folder: P166272
 Reports: P147764-DE2;
 P135196-DE2.

Table 4 General characteristics of the electronic calculating/indicating device type TQCL and TQCL-C

| | |
|---------------------------|-----------------|
| Environmental classes | M1 / E1 |
| Ambient temperature range | -40 °C / +55 °C |
| Software identification | See table below |

Software versions of the calculating and indicating type TQCL and TQCL-C

| Components | Version | W&M CRC16 Checksum | Comment |
|------------|----------|--------------------|-----------------------|
| Main CPU | 03.01.02 | 72 | TQCL (India release) |
| | 04.00.07 | 231 | |
| | 09.02.00 | 14 | |
| | 09.03.04 | 99 | |
| | 03.01.02 | 229 | TQCL (AME release) |
| | 04.00.07 | 31 | |
| | 04.00.14 | 16 | |
| | 03.01.02 | 37 | TQCL (Brazil release) |
| | 04.00.07 | 149 | |
| | MPC6 | 04.00.07 | 189 |
| 04.00.14 | | 187 | |
| 03.00.01 | | 7005 | Magnetic Pulser |
| 04.00.00 | 50719 | | |
| 04.00.01 | 52691 | | |

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| Components | Version | W&M CRC16 Checksum | Comment |
|------------|----------|--------------------|------------------------|
| ET | 03.01.01 | 37098 | Electronic Totalizer |
| | 04.00.00 | 46941 | |
| | 04.00.05 | 3747 | |
| | 09.02.00 | 28037 | |
| | 09.03.01 | 48536 | |
| TIP3 | 03.00.07 | 52005 | High resolution Pulsar |
| | 09.02.00 | 46983 | |
| | 09.03.00 | 33839 | |
| LON | 01.00.02 | 43982 | LON Comms Interface |
| | 01.00.04 | 15245 | |

Production location

The fuel dispenser is produced at one of the following production locations:

- Dover Fueling Solutions UK LTD - Unit 3 Baker Rd, West Pitkerro Industrial Estate, Dundee DD5-3RT Scotland;
- Tokheim Sofitam Applications SAS, Rue De Soliers, 14540 Grentheville, France;
- Tokheim Netherlands, Industrieweg 5, 5531 AD Bladel;
- DFS Netherlands B.V., Industrieweg 5, 5531 AD Bladel;
- Tokheim India Private Limited, Building No. 2, Plot No. 66, TTC Industrial Area, MIDC, Mahape, Navi Mumbai – 400 710, Maharashtra, India.

This measuring instrument may bear the producer name, DFS Netherlands B.V., after the 1st of May 2019 and replaces producer name Tokheim Netherlands B.V.