



NIPPON KAIJI KYOKAI

Certificate of Type Test

Certificate No.

TA14081M

FOR EXPLOSION PROTECTED TYPE ELECTRICAL EQUIPMENT

MANUFACTURER: CIDRA CORPORATE SERVICES

PRODUCT: Transmitter Part No. TB8-xx-xx-xx-03
used with Sensor Head Part No. SH-xxx-xx-xA-xxx-03
(Ex ic nA [ic] IIB T4 Gc)
and standalone Transmitter Part No. TB8-xx-xx-xx-04
(Ex ic nA IIB T4 Gc)

TYPE TEST NO.: 14T604

PARTICULARS: Refer to the attached sheet

DOCUMENTATION: DEMKO 07 ATEX 0608105X, 20907-01C, 20908-01C,
20885-01C, 20873-01C, 20874-01C, 20909-01C

STANDARD: EN 60079-0(2012), EN 60079-11(2012), EN 60079-15(2010)

THIS IS TO CERTIFY that the above mentioned product has been approved by the NIPPON KAIJI KYOKAI in accordance with the Society's type test requirements for electrical equipment and cables.

This certificate is valid until 23 January 2019.

Issued at Tokyo on 24 January 2014.


Y. Shibata
General Manager
Machinery Department



NIPPON KAIJI KYOKAI

Attached sheet to Cert. No.TA14081M (1/2)

PARTICULARS:

POWER ENTRY:

TB8-xx-05-xx-xx Transmitter: 100 - 240VAC, 50/60HZ, 25W

TB8-xx-06-xx-xx Transmitter: 18-36VDC, 25W

Entity Parameters for Model TB--xx-xx-xx-03

Transmitter Provisional Sensor Input (Energy Limited Inputs)

Uo : 24.1 V

Io : 47 mA

Ca : 60 nF

La : 200 uH

Po: 0.29W

Note : 1 The letters shown in TB8-aa-bb-cd-ee mean as follows;

aa: Software

Any alphanumeric combination

bb: Input Power

05-AC

06-DC

c: Communication I/F

0-RS232/485

1-RS232/485, MODBUS

2-Foundation Fieldbus

3 -Profibus

d: Terminal block options

Any alphanumeric except for "0" or "1"

ee: Hazardous Area Location Rating

03-European ATEX Zone 2 Transmitter in system with Sensor head SH-xxx-xx-xA-xxx-03 (Ex ic nA [ic] IIB T4 Gc)

04-European ATEX Zone 2 Transmitter standalone (Ex ic nA IIB T4 Gc)

Attached sheet to Cert. No.TA14081M (2/2)

Note : 2 The letters shown in SH-abb-cc-dd-eee-ff mean as follows;

abb: Pipe/Tube Type and Size
abb: Any 3 -digit number no greater than 914
OR

a: Pipe/Tube Type, Any Alphabetic (non-numeric) character

bb: Pipe/Tube Size , Any 2-digit number no greater than 36

cc: Band Type

00,01,02,04,05,06,07,08,09,12,18,19,26,28,45,46,48,50,51,52

dd: Cover Type

xA - where "x" can be any alphanumeric character

eee: Preamp Type

Any alphanumeric combination

ff: Hazardous Area Location Rating

03 - European ATEX Zone 2 Sensor head in system