

# A complete machine management tool in just 5.7 inches!

We put you right in the heart of your production in the most space saving, cost saving way possible!



Advanced Industrial Automation

## SMART Active Parts saves you time and money!

SMART Active Parts are advanced drag & drop pre-tested software components that communicate directly with control-system components, temperature controllers, inverters, motion controllers or any other product connected either directly or indirectly to the NS. They bring powerful

functionality to your machine without the need for expert communications or programming knowledge. This saves you time and money, and enables you to add complex features that were not available before.

## All the functionality you need!

To give you the competitive edge, Omron has added powerful hardware and software integration features into the NS5 operation. One example is the support of FTP (File Transfer Protocol, which is widely used in Internet technology, and does not rely on any industrial network protocol). FTP allows the sending and retrieving of files from the NS on-line, without disturbing the normal operating process.

Even though its colour screen is just 5.7", Omron's NS5 terminal can offer the same high quality and same feature-packed functionality as the other models in the successful NS series! The screen's 320x240 pixels is based on Omron's proven touch-screen technology and produces 4096 colours, which allows bitmaps to be used with amazing clarity. The display features a long-life backlight (50,000 hours) that maintains the same high-quality performance over its working life. And Omron offers a three-year warranty on parts and repair to support our claim to having the best, most reliable products in the market.

## Upwards compatible

The NS5 has the same dimensions as Omron's successful NT31C touch screen terminal, so users can use the same panel cut as before. A software tool is provided that enables a conversion of up to 90% of the existing application of the NT31C.



### Examples of SMART Active parts include:

- Monitoring network communication
- Fault-finding individual distributed I/O slave units
- Setting up motion units
- Display stand-alone TC functionality
- Manage Omron's frequency inverters
- Troubleshooting CJ1 or CS1 CPUs
- Supervising Omron's safety controllers
- Pre-defined presentation of Omron's vision systems

### A true machine management tool

Working with SMART Active Parts is easy. Pre-made software components are dragged onto the NS5 screen. Setting up the communication with the physical component on the network is just a matter of a few key clicks. All relevant data is presented on the screen for operation as well as for maintenance. Distributed intelligent I/O and intelligent devices trigger a pop-up message on

the screen when service is required. These messages can be linked to a user-definable trouble-shooting guide. This free-format trouble-shooting guide allows you to incorporate your knowledge of running and maintaining the machine into Omron's NS5 terminal. That's why we call the NS5 a true machine management tool.



### Ordering information

| Product Name | Product description                              | Colour | With Ethernet |
|--------------|--------------------------------------------------|--------|---------------|
| NS5-SQ00-V1  | 5.7 inch STN terminal, 320*240 dots              | Ivory  | No            |
| NS5-SQ00B-V1 | 5.7 inch STN terminal, 320*240 dots              | Black  | No            |
| NS5-SQ01-V1  | 5.7 inch STN terminal, 320*240 dots              | Ivory  | Yes           |
| NS5-SQ01B-V1 | 5.7 inch STN terminal, 320*240 dots              | Black  | Yes           |
| NS-NSDC1-V5  | NS-Designer screen designing software, version 5 |        |               |

**OMRON EUROPE B.V.** Wegalaan 67-69, NL-2132 JD, Hoofddorp, The Netherlands. Tel: +31 (0) 23 568 13 00 Fax: +31 (0) 23 568 13 88 [www.europe.omron.com](http://www.europe.omron.com)

**UNITED KINGDOM**  
**Omron Electronics Ltd**  
 Opal Drive, Fox Milne, Milton Keynes, MK15 0DG, UK  
 Tel: +44 (0) 870 752 08 61  
 Fax: +44 (0) 870 752 08 62  
[www.omron.co.uk](http://www.omron.co.uk)

*Authorised Distributor:*

Although we strive for perfection, Omron Europe BV and/or its subsidiary and affiliated companies do not warrant or make any representation or guarantee of the accuracy or completeness of the information described in this document. We reserve the right to make any changes at any time without prior notice.

SFP-NS5\_EN01\_0304

# OMRON