

Product Data

Acquisition Front-end — Type 2825

Part of PULSE, the Multi-analyzer System Type 3560

USES:

- Front-end data acquisition frame for use in Type 3560 multichannel system configurations
- Housing an interface module and up to 4 input/output modules

FEATURES:

- Up to 4 input modules can be installed allowing measurements in up to 16 channels
- Up to 4 generator modules can be installed
- A sound intensity probe can be supported
- Signal output is available on up to 3 channels
- IEC 1010 Class I

Acquisition Front-end Type 2825 is a robust, yet light, frame with power supply. It houses the input/output modules for a Type 3560 multi-analyzer system.

Type 2825 can be used for measurements of up to 16 channels.

Introduction

Acquisition Front-end Type 2825 is a front-end frame, that has an AC power supply and back-plane wiring for an interface module and up to 4 analogue input/output modules. This allows the connection of up to 16 analogue channels. Type 2825 is connected to the TAXI-interface for the DSP Boards in your PC using coaxial cable AO0370.

Type 2825 houses input modules for Type 3560 multi-analyzer system configurations. The unit can be transported, and is silent during operation.

Type 2825 meets IEC 1010 Class I.

Modules Available for Type 2825:

- Type 3015: 25kHz Input Module
- Type 3016: 100kHz Input Module
- Type 3017: Sound Intensity Module
- Type 3022: 4-channel Input Module
- Type 3028: 4-channel Microphone Module



Fig 1 Acquisition Front-end Type 2825 with a Signal Analyzer Interface Module Type 7521 and four 4-channel input modules fitted

- Type 3107: Generator Module
 - Type 5955: Signal Output Module
 - Type 7521: Signal Analyzer Interface Module
 - FA1009: Blank Panel
- A Blank Panel FA 1009 must be used to cover any slot that is not in use. For details on the input/output modules, refer to the separate Product Data.

Configuration

The 5 module slots in Type 2825 are numbered from left to right (see Fig. 2).

It is easy to insert or replace modules in the available slots. Slot 0 must contain a Signal Analyzer Interface Module Type 7521. Slots 1 to 4 can contain up to four input/output

modules. The following are the rules that apply for the maximum number of modules per type:

- 4 3015 (25 kHz) input modules
- 4 3016 (100 kHz) input modules
- 1 3017 Sound intensity module
- 4 3022 4-channel (25 kHz) input modules
- 4 3028 4-channel (25 kHz) microphone modules
- 4 3107 Generator modules
- 1 5955 Signal output module

Types 3015, 3016, 3022 and 3028 input modules are installed, starting at slot 1. It is possible to install Types 3015 and 3016 in the same Type 2825 frame, but they cannot be activated at the same time. Similarly, single channel and four channel modules can be installed in the same frame, but cannot be active at the same time. The 4 channel modules, Types 3022 and 3028, can be mixed and activated at the same time. Generator and sound intensity modules are installed in adjoining slots, starting at slot 4 (see Fig. 2). You must place the

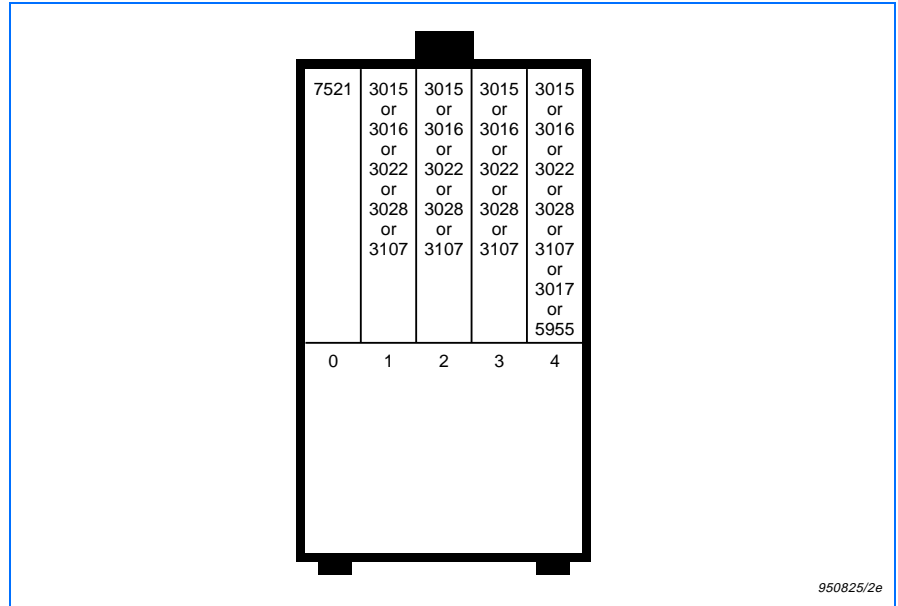


Fig. 2 Allowable installation of modules in Acquisition Front-end 2825

sound intensity module, in the slot to the right of any generator module.

Type 2825 can also be used in a Type 3550 system. Note that 4-channel

Input Module Type 3022 and 4-channel Microphone Module Type 3028 cannot be used in Type 2825 in a Type 3550 system.

Specifications 2825

Type 2825 is a front-end frame with power supply and 5 slots for modules:

AVAILABLE MODULES:

- 3015 25 kHz Input Module
- 3016 100 kHz Input Module
- 3017 Sound Intensity Module
- 3022 4-channel Input Module (25 kHz CCLD)
- 3028 4-channel Microphone Module (25 kHz)
- 3107 Generator Module
- 5955 Signal Output Module
- 7521 Signal Analyzer Interface Module (required)
- FA1009 Blank Panel

MAXIMUM NUMBER OF MODULES:

- 4 25 kHz Input Modules Type 3015
- 4 100 kHz Input Modules Type 3016
- 1 Sound Intensity Module Type 3017
- 4 4-channel 25 kHz Input Modules Type 3022

- 4 4-channel Microphone Modules Type 3028
 - 4 Generator Modules Type 3107
 - 1 Signal Output Module Type 5955
 - 1 Signal Analyzer Interface Module Type 7521
- CONNECTION TO PC DSP BOARDS:**
Uses cable AO 0370 and 1 Signal Analyzer Interface Module Type 7521 per Type 2825
- POWER REQUIREMENTS:**
Voltage: 100, 115, 127, 200, 230V AC $\pm 10\%$
Frequency: 47.5–66Hz
Power Consumption: Max. 180 VA when fitted with:
1 \times 7521 Signal Analyzer Interface Module
4 \times 3028 4-channel Microphone Module
- SAFETY:**
IEC 1010–1 Class I

DIMENSIONS:

- Height:** 397 mm (15.6 inches)
- Width:** 190 mm (7.5 inches)
- Depth:** 325 mm (12.8 inches)
- Weight:** 12 kg (26.7 lb.) when fitted with 5 blank panels FA1009
15 kg (33.4 lb.) when fitted with:
1 \times 7521 Signal Analyzer Interface Module
4 \times 3022 4-channel Microphone Module

COMPLIANCE WITH STANDARDS:

CE	When incorporated into PULSE, the Multi-analyzer System Type 3560, Type 2825 complies with the system standards stated in the Product Data for Type 3560 (BP1611)
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Ordering Information

- Type 2825 Acquisition Front-end
- Includes the following accessories:**
- Mains Cable
- 2 \times VF0091: (2) Spare fuses T 4A/250V

Optional Accessories

- FA 1009:** Blank Panel
- ZD 0815:** TAXI Interface Module

- AO 0370:** TAXI Cable

Brüel&Kjær reserves the right to change specifications and accessories without notice



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