

# Digital Intercom Stations

## DTM Series



### Features and Functions

- Digital intercom stations for indoor use
- Different designs with up to 60 keys available
- DTM 110 with interface for handset connection
- LCD display with 4 x 20 characters
- 4 function keys and 2 status LEDs
- Audio bandwidth of up to 7 kHz
- Noise-compensating microphone with dynamic compression
- Speaker volume and microphone sensitivity can be adjusted
- Degree of protection IP41
- Potential-free relay contact

The digital intercom stations of the DTM series have been designed for indoor use in control stations, measuring stations, or offices. They are operated at the INTRON-D and INTRON-D *plus* communication and public address systems from INDUSTRONIC.

The intercom stations are available in different designs with up to 60 keys. Each device has a built-in microphone, speaker, LCD display, 4 function keys as well as 2 status LEDs. They are permanently monitored for proper functioning via the central exchange unit to ensure reliable operation. The microphone is monitored according to the DIN EN 60849 standard.

If required, the intercom stations can be individually equipped with a handset and a booster amplifier. When lifting the handset, the conversation automatically switches over to the handset. The optional booster amplifier enables the use of an external speaker. The potential-free relay contact can be used to control external components.

Depending on the application, the intercom stations can be placed on a table, installed into a control desk, or mounted to a wall. The housing with IP41 protects the built-in electronics against the ingress of solid objects and dripping water.

60 DTM 110 with handset



30 DTM 010 installed into a control desk



15 DTM 010/W



## Different Designs

The intercom stations are available in different designs. The smaller devices provide space for 15 or 30 keys, the larger ones have 45 or 60 keys available. The key assignment of the different functions depends on the project-specific and customer-specific requirements.

You can write the name of the target or the function on the corresponding protective label. Each key has a powerful and reliable LED which can signal different states, depending on the respective function (e.g. call or busy status).

In addition, the desktop intercom stations of the FA01 or FA02 series are certified according to the EN 54-16 standard for voice alarm systems.



### LCD Display

Depending on the function selected, the LCD display with 80 characters (4x20) shows different types of information, e.g. the name of your own intercom station or of the calling subscriber.



### Membrane Keypads

The membrane keypads consisting of 15 keys each are dirt-resistant and can be cleaned with a wet cloth. Each key can be labeled individually.



### Status LEDs

The 2 status LEDs indicate if the device is ready for operation or if there are any faults.



## 7 kHz Audio Bandwidth

The built-in speaker provides an audio bandwidth of 7 kHz ensuring an excellent speech intelligibility.

The optional booster amplifier enables the use of an external speaker which also provides efficient acoustic signaling of incoming calls in very loud work environments, for example.

## Gooseneck Microphone or Built-in Microphone

The intercom stations are available with gooseneck microphone or built-in microphone. Electronic noise compensation and dynamic compression reduce ambient noise and prevent microphone distortion.

You can use a gooseneck microphone (DTM 011) that is particularly sturdy for applications subject to increased mechanical stress.

## 4 Function Keys

The 4 function keys below the LCD display are used to adjust the speaker volume and the microphone sensitivity, for example. The LCD display provides intuitive user navigation. Define your settings in the different menus available.

## Series Overview

**xx DTM xxx / xx**

### Number of Keys

15  
30  
45  
60

### Type

**010** = With gooseneck microphone, without external interface  
**011** = With gooseneck microphone for applications subject to increased mechanical stress, without external interface  
**110** = With gooseneck microphone, with external interface for handset connection

### Options

**C3** = Key cover for 3 keys  
**C6** = Key cover for 6 keys  
**C9** = Key cover for 9 keys  
**C12** = Key cover for 12 keys  
**C15** = Key cover for 15 keys  
**IM** = Desktop intercom station with built-in microphone instead of gooseneck microphone\*  
**W** = Wall-mounted intercom station with built-in microphone\*  
**FA01** = Desktop intercom station with gooseneck microphone complying with the EN 54-16 standard, 12 yellow key LEDs for fault indication, 3 green key LEDs to indicate the operating status and an active microphone\*  
**FA02** = Desktop intercom station with gooseneck microphone complying with the EN 54-16 standard, 4 yellow key LEDs for fault indication, 2 green key LEDs to indicate the operating status and an active microphone\*

\* Can be combined with key cover. Example: **30 DTM 010/IM/C6**, **45 DTM 010/W/C3** or **30 DTM 010/FA02/C9**

## DTM Series | Desktop Intercom Stations



<b>Type</b>	15 DTM	
<b>Description</b>	Digital desktop intercom station with gooseneck microphone or built-in microphone, 1 keypad with 15 keys, 4 function keys, 2 status LEDs, LCD display, plastic housing, incl. 3 m (9.8 ft) connection cable	
<b>W x H x D</b>	178 mm x 73 mm x 265 mm (7" x 2.9" x 10.4") Gooseneck microphone of DTM 010: length = 290 mm (11.4"), Ø = 8 mm (0.3") Gooseneck microphone of DTM 011: length = 350 mm (13.8"), Ø = 9 mm (0.4")	
<b>Weight</b>	Approx. 1.1 kg (approx. 2.4 lbs)	
<b>Type number</b>	15 DTM 010	301-471-100
	15 DTM 010/IM	301-471-100/IM
	15 DTM 110	301-471-101
	15 DTM 011	301-472-100
<b>Accessories</b>	25 DVT 01 booster amplifier, 1 HAS 001 handset, 1 WT 500 wall-mounting bracket, mounting frame, and key covers (see "Accessories", on page 7)	



<b>Type</b>	30 DTM	
<b>Description</b>	Digital desktop intercom station with gooseneck microphone or built-in microphone, 2 keypads with 15 keys each (30 keys in total), 4 function keys, 2 status LEDs, LCD display, plastic housing, incl. 3 m (9.8 ft) connection cable	
<b>W x H x D</b>	178 mm x 73 mm x 265 mm (7" x 2.9" x 10.4") Gooseneck microphone of DTM 010: length = 290 mm (11.4"), Ø = 8 mm (0.3") Gooseneck microphone of DTM 011: length = 350 mm (13.8"), Ø = 9 mm (0.4")	
<b>Weight</b>	Approx. 1.1 kg (approx. 2.4 lbs)	
<b>Type number</b>	30 DTM 010	301-471-200
	30 DTM 010/IM	301-471-200/IM
	30 DTM 010/FA02	301-471-200/FA02
	30 DTM 110	301-471-201
	30 DTM 011	301-472-200
<b>Accessories</b>	25 DVT 01 booster amplifier, 1 HAS 001 handset, 1 WT 500 wall-mounting bracket, mounting frame, and key covers (see "Accessories", on page 7)	



<b>Type</b>	45 DTM	
<b>Description</b>	Digital desktop intercom station with gooseneck microphone or built-in microphone, 3 keypads with 15 keys each (45 keys in total), 4 function keys, 2 status LEDs, LCD display, plastic housing, incl. 3 m (9.8 ft) connection cable	
<b>W x H x D</b>	265 mm x 73 mm x 265 mm (10.4" x 2.9" x 10.4") Gooseneck microphone of DTM 010: length = 290 mm (11.4"), Ø = 8 mm (0.3") Gooseneck microphone of DTM 011: length = 350 mm (13.8"), Ø = 9 mm (0.4")	
<b>Weight</b>	Approx. 1.3 kg (approx. 2.9 lbs)	
<b>Type number</b>	45 DTM 010	301-471-300
	45 DTM 010/IM	301-471-300/IM
	45 DTM 010/FA02	301-471-300/FA02
	45 DTM 110	301-471-301
	45 DTM 011	301-472-300
<b>Accessories</b>	25 DVT 01 booster amplifier, 1 HAS 001 handset, mounting frame, and key covers (see "Accessories", on page 7)	



<b>Type</b>	60 DTM	
<b>Description</b>	Digital desktop intercom station with gooseneck microphone or built-in microphone, 4 keypads with 15 keys each (60 keys in total), 4 function keys, 2 status LEDs, LCD display, plastic housing, incl. 3 m (9.8 ft) connection cable	
<b>W x H x D</b>	265 mm x 73 mm x 265 mm (10.4" x 2.9" x 10.4") Gooseneck microphone of DTM 010: length = 290 mm (11.4"), Ø = 8 mm (0.3") Gooseneck microphone of DTM 011: length = 350 mm (13.8"), Ø = 9 mm (0.4")	
<b>Weight</b>	Approx. 1.3 kg (approx. 2.9 lbs)	
<b>Type number</b>	60 DTM 010	301-471-400
	60 DTM 010/IM	301-471-400/IM
	60 DTM 010/FA01	301-471-400/FA01
	60 DTM 110	301-471-401
	60 DTM 011	301-472-400
<b>Accessories</b>	25 DVT 01 booster amplifier, 1 HAS 001 handset, mounting frame, and key covers (see "Accessories", on page 7)	

## DTM Series | Wall-mounted Intercom Stations



<b>Type</b>	15 DTM xxx/W
<b>Description</b>	Digital wall-mounted intercom station with built-in microphone, 1 keypad with 15 keys, 4 function keys, 2 status LEDs, LCD display, plastic housing, incl. 3 m (9.8 ft) connection cable
<b>W x H x D</b>	178 mm x 76 mm x 298 mm (7" x 3" x 11.7")
<b>Weight</b>	Approx. 1.3 kg (approx. 2.9 lbs)
<b>Type number</b>	15 DTM 010/W      301-471-100/W 15 DTM 110/W      301-471-101/W
<b>Accessories</b>	25 DVT 01 booster amplifier and key covers (see "Accessories", on page 7)



<b>Type</b>	30 DTM xxx/W
<b>Description</b>	Digital wall-mounted intercom station with built-in microphone, 2 keypads with 15 keys each (30 keys in total), 4 function keys, 2 status LEDs, LCD display, plastic housing, incl. 3 m (9.8 ft) connection cable
<b>W x H x D</b>	178 mm x 76 mm x 298 mm (7" x 3" x 11.7")
<b>Weight</b>	Approx. 1.3 kg (approx. 2.9 lbs)
<b>Type number</b>	30 DTM 010/W      301-471-200/W 30 DTM 110/W      301-471-201/W
<b>Accessories</b>	25 DVT 01 booster amplifier and key covers (see "Accessories", on page 7)



## Accessories

	<p><b>Type</b> 25 DVT 01</p> <p><b>Description</b> 25-W booster amplifier to be connected to digital intercom stations, incl. 3 m (9.8 ft) connection cable</p> <p><b>Type number</b> 304-042-100</p>										
	<p><b>Type</b> 1 HAS 001</p> <p><b>Description</b> Handset with push-to-talk key and cradle to be operated at DTM 110 digital desktop intercom stations, incl. 2.1 m (6.9 ft) connection cable</p> <p><b>Type number</b> 301-432-100</p>										
	<p><b>Type</b> 1 HAS 001/W</p> <p><b>Description</b> Handset with push-to-talk key and wall mounting bracket to be operated at DTM 110/W digital wall-mounted intercom stations, incl. 0.7 m (2.3 ft) connection cable</p> <p><b>Type number</b> 301-432-100/W</p>										
	<p><b>Type</b> 1 WT 500</p> <p><b>Description</b> Wall-mounting bracket to mount the digital desktop intercom station to a wall</p> <p><b>Type number</b> 212-081-000</p>										
	<p><b>Type</b> Mounting frame</p> <p><b>Description</b> Frame to flush-mount digital desktop intercom stations of the 15, 30, 45, or 60 DTM series into desks or other flat surfaces (e.g. control room desks)</p> <p><b>Type number</b></p> <table border="0" data-bbox="791 1525 1407 1592"> <tr> <td>For 15 or 30 DTM</td> <td>070-025-002</td> </tr> <tr> <td>For 45 or 60 DTM</td> <td>070-025-003</td> </tr> </table>	For 15 or 30 DTM	070-025-002	For 45 or 60 DTM	070-025-003						
For 15 or 30 DTM	070-025-002										
For 45 or 60 DTM	070-025-003										
	<p><b>Type</b> Key cover</p> <p><b>Description</b> Clear plastic key cover to protect the keys against accidental actuation. You can only press the keys when the key cover is opened. Available for 3, 6, 9, 12, or 15 keys</p> <p><b>Type number</b></p> <table border="0" data-bbox="791 1850 1407 2018"> <tr> <td>3 keys</td> <td>202-533-000</td> </tr> <tr> <td>6 keys</td> <td>202-533-100</td> </tr> <tr> <td>9 keys</td> <td>202-533-200</td> </tr> <tr> <td>12 keys</td> <td>202-533-300</td> </tr> <tr> <td>15 keys</td> <td>202-533-400</td> </tr> </table>	3 keys	202-533-000	6 keys	202-533-100	9 keys	202-533-200	12 keys	202-533-300	15 keys	202-533-400
3 keys	202-533-000										
6 keys	202-533-100										
9 keys	202-533-200										
12 keys	202-533-300										
15 keys	202-533-400										

## Technical Data

### Electrical Data

• Operating voltage range	42 VDC to 72 VDC
• Quiescent current consumption at 60 VDC	45 mA
• Max. current consumption at 60 VDC	100 mA
• Frequency range	150 Hz to 7,200 Hz
• Speaker	4 W / 8 Ohms
• Amplifier power	1 W

### Environmental Requirements and Standards

• Ambient temperature during operation	0 °C to +50 °C (+32 °F to +122 °F)
• Relative humidity (non-condensing)	Max. 95 %
• Degree of protection	IP41
• EMC	IEC/EN 61000-6-2 IEC/EN 61000-6-4
• Microphone monitoring according to	DIN EN 60849

### INDUSTRONIC®

Industrie-Electronic GmbH & Co. KG  
 Carl-Jacob-Kolb-Weg 1  
 97877 Wertheim / Germany

Phone: +49 9342 871-0  
 Fax: +49 9342 871-565

info@industronic.de  
 www.industronic.com