



QCX® PTR181 MANUAL 8-POSITION CAROUSEL RECEIVING STATION

The PTR181 Manual 8-position Carousel Receiving Station receives carriers with sample material sent from sending stations via a connected pneumatic transport tube system. The receiving station can be used with more than one sampling point and has the capability to return the carriers via the pneumatic tube transport system to the sending stations.

Positioned next to the manual laboratory, the receiving station enhances sampling efficiencies by minimising the time for sample transport and the return of carriers back to the sampling point. It also overcomes delays which may occur during times of peak workload and when there are high demands on operators.

Operators use the human machine interface to see a complete overview of the transport system and remain in control of the receiving process.

ADVANTAGES

- **Availability:** the carousel storage feature allows for automatic carrier sending and receiving to occur, resulting in less reliance on operator capacity. This translates to operational savings.
- **Safety:** manual transport can expose your operators to risk; however automatic transport means that operators are protected from dangerous motion in working areas.
- **Connectivity:** the sending station is directly compatible with a range of transport and receiving systems, particularly QCX products.

SIMPLE YET ROBUST DESIGN

How it works

The PTR181 Manual 8-position Carousel Receiving Station is connected to one or more sending stations via the automatic pneumatic tube transport system. Received carriers are manually removed from the receiving station and emptied, then the carriers are manually closed and inserted back into the station. The operator logs the carriers into the system and they are automatically returned sequentially via the tube transport system back to the sending stations.

The pneumatically operated cover extractor for sample carriers is used for opening and closing the cover of the sample carriers.

Possible configuration

The PTR181 Manual receiving station can be seamlessly integrated with components of automatic transport systems, particularly the QCX suite, including tube transport, and the carrier opener accessory. Automation improves safety through reduced handling and refines quality control through the addition of time stamps on sending samples.

Specification

Sample material	Dry, non sticky, max. 80°C, < 6mm
Sample quantity	Up to 500 cm ³
Type of carrier	Long (122664) / optional short (107566)
Power supply	3 x 380 – 500 V; 50/60 Hz
Compressed air supply	0.6 – 1.0 Mpa (Quality 2.4.2 as per ISO 8573-1)
Operating conditions	Temperature: 5°C to 35°C Humidity: 20 – 80 % non-condensing
Weight	260 kg
Dimensions (W x D x H)	700 x 700 x > 1,640 mm

